# CONSTRUCTION NEWS

*Engineering News-Record, June 18, 1925*

## Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

### *Proposed Work*

Extension of boulevard system, San Francisco, Calif., City and San Francisco Co. plans bond election for extending boulevard system, $10,000,000.

Bridge, Louisville, Ky., State Hy. Dept. plans steel truss bridge across Ohio River, $5,000,000.

Bank and office, New York, N. Y., M. M. Natanson having plans prepared for 30-story brick, steel and stone, $4,000,000.

Office, New York, N. Y., John Gold Realty Corp. having plans prepared for 24 story brick, steel and stone, $4,000,000.

Office, Philadelphia, Pa., Pennsylvania R.R. having plans prepared, $3,300,000.

Dredging, etc., Stockton, Calif., voted $3,000,000 bonds for project.

Hotel, New York, N. Y., A. Keckscher having plans prepared, $3,000,000.

Hotel, Portland, Ore., Portland Hotel Co. plans building, $2,000,000.

Schools, Fresno, Calif., plans $1,500,000 bonds for construction and improvement.

Loft, New York, N. Y., Five Hundred Nineteen 8th Ave. Corp. having plans prepared, $1,500,000.

Apartment, New York, N. Y., J. M. Felson engr., preparing plans, $1,500,000.

Hotel, Tampa, Florida, Tampa Commercial Construction Co. having plans prepared, $1,100,000.

Office, Denver, Colo., Continental Oil Co. having plans prepared, $1,000,000.

Roads, Decatur, Tex., Wise Co. plan bond election for road improvement, $1,000,000.

Hotel, Boston, Mass., J. R. Whipple Corp. planning building, $1,000,000.

Office, Tampa, Fla., J. A. Crenshaw plans building, $1,000,000.

Recreation Pier, St. Petersburg, Fla., voted $1,000,000 bonds.

### *Bids Wanted On Big Jobs*

Bridge work, Pittsburgh, Pa., Allegheny Co., June 10, bridge masonry and approach fill.

Office, Houston, Tex., A. C. Bossom, Archt., New York City, June 15, $1,250,000.

Road Work, Dyersburg, Tenn., Dyer Co., June 29, $1,000,000.

### *Large Contracts Let During Week*

Office, Hartford, Conn., Ferrigno & Perrone will build 6 story building, $2,000,000.

Shops, Jackson, Tenn., Mobile & Ohio R.R. to Dwight P. Robinson & Co. of New York City, $1,250,000.

Bank and Office, Newark, N. J., Federal Trust Co. to Pub. Service Co., $1,250,000.

**Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.**

## Waterworks

#### PROPOSED WORK

**N. J., Hawthorne** (Paterson P. O.) — Boro takes bids about July 15, extending mains in several streets. H. J. Harder, 129 Market St., Paterson, engr.

**Pa., Cramer**—Findley Run Water Supply Co., Seward, plans dam, 62 ft. high, 124,000,000 gal. capacity, at Trout Run near here. $50,000. J. R. Crissey, Johnstown, engr.

**Va., Rural Retreat**—Voted $42,000 bonds centrifugal pumps for pumping water from Cedar Springs to reservoir, 200,000 gal. concrete reservoir, 6 and 8 in. c.i. pipe, etc. A. H. Poret, mayor.

**Fla., Holly Hill**—Election July 1, $70,000 bonds for waterworks. N. A. Hotard, New Smyrna, engr.

**Fla., Wauchula** — Voted $75,000 bonds, extending waterworks. W. D. Carlton, mayor.

**O., Columbus**—See "Streets and Roads."

**O., Tiltonsville**—Plans water mains and sewers in various streets. $175,000. H. C. Althar, Bellaire, engr.

**Mich., Bloomfield Hills** (Birmingham P. O.) — Bloomfield-Maple Road Corp. plans approximately 24,000 lin.ft. 6- to 10-in. c.i. watermains and 20,000 lin.ft. 8- to 18-in. vitr. sewers in various streets. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

**Mich., Springwells**—Plans c.i. pipe line extensions to serve territory between Miller and Schaefer Rds., Warren and Michigan Aves. $70,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

**Wis., Fond du Lac**—Bd. Pub. Wks., J. F. Hohensee, secy., rejected bids Apr. 2, superstructure 1 story, 44 x 160 ft., brick and concrete pumping station addition. $20,000. Will readvertise. J. E. Hennen, Main St., engr. Noted Apr. 23.

**Kan., Effingham** — Making preliminary plans waterworks and sewers, etc., in various streets. To exceed $15,000. C. A. Haskins, 822 Finance Bldg., Kansas City, Mo., engr.

**Kan., Wakefield** — Plans waterworks improvements, incl. well, pump house, pumping equipment, etc. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., consult. engrs.

**Tex., Comanche**—Voted $50,000 additional bonds for waterworks. $70,000 bonds previously voted. J. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr

**Tex., Lubbock**—Election July 2, $150,000 bonds for waterworks extensions, incl. mains, pumping plant, equipment, etc. J. B. Germany, city secy.

**Tex., Port Arthur**—Election soon $200,000 bonds for filtration plant, 30 mi. pipes for pumping water from Neches River, etc. Gulf and Texas Companies will assist city in project. J. O. Herpin, city engr.

**Okla., Alex**—Election June 24, $27,000 bonds, new waterworks, incl. well, pump, tower, mains, valves, hydrants, etc. J. C. Milliken, Chickasha, engr.

**Okla., Bethany** — Making preliminary plans new waterworks. $40,000. McIntosh Co., 1st Natl. Bank Bldg., Oklahoma City, engrs.

**Okla., Bristow** — Election soon $45,000 bonds, for new deep well, pumps, pumping equipment, etc. Address Mayor. Noted May 7.

**Okla., Elk City**—Election June 16, $336,000 bonds, new water supply reservoir, dam, pipe line, filter plant, etc. Benham Eng. Co., Gumbell Bldg., Kansas City, Mo., engrs. Noted Apr. 9.

**Okla., Guthrie**—Making preliminary plans 200 hp. Diesel oil engine generator unit in waterworks plant. $30,000. W. I. Mathis, 411 East Oklahoma St., Guthrie, engr.

**Okla., Muskogee** — City Comrs. retained Burns & McDonnell, consult. engrs., Interstate Bldg., Kansas City, Mo., to submit report for filtration plant. Election soon $100,000 bonds for same.

**Okla., Ponca City**—Making preliminary plans new 2 m.g. concrete storage reservoir. $25,000. J. M. Crowe, Ponca City, engr.

**Okla., Wynne Wood**—Election June 17, $35,000 bonds for 20,000 ft. 4 in. c.i. pipe, etc., from Artesian well to natatorium, and rebuilding pool and bath house. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Calif., Azusa**—Defeated $105,000 bonds for waterworks improvements. Noted Apr. 9.

**Calif., Ventura**—Voted $35,000 bonds for waterworks.

#### BIDS DESIRED

**Mass., Boston**—June 29, by Dept. Pub. Wks., laying about 6,300 lin.ft. c.i. pipe, and furnishing and laying about 200 lin.ft. 48 in. steel pipe in Commonwealth Ave. between Massachusetts Ave. and in Public Garden and Boston Common, City Proper. $80,000 bonds. J. A. Rourke, comr.

**N. Y., St. George**—June 19, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Jones and Whitewood Places, Carlton Blvd., Arthur Kill, Edinboro, London and Prince Bay Rds., Bard, Beach, Bement, Dale, Dewey, Harvest, Homestead, Isabella, Macfarland, Morrison, Northfield, Raleigh, Warwick and Winant Aves., Green, Maple, Seneca, 5th, 6th, and 9th Sts., here.

**N. Y., New York**—June 24, by N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., mains in Pelham Parkway South, East 163rd and 172nd Sts., Adee, Bayview, Blondell, Bouck, Cornell, Cruger, Harrington, Harrod, Hering, Lydig, Mace, Morrison, Philips, Underhill, Whitlock, Wilcox and Yates Aves.

**Pa., Lancaster**—June 22, by Bureau of Water, Dept. Pub. Safety, at office of S. Shissler, city controller, City Hall, two 24 in. altitude valves, three 24 in. hand operated, back geared gate valves, three 24 in. electrically operated gate valves, three 24 in. hydraulically operated gate valves, one 24 in. 90 degree elbow with base, etc.

**N. C., Burnsville** — June 26 (extended date), by M. A. Bailey, mayor, and Bd. Aldermen, at Court House, 6 mi. 6 in. and ½ mi. 8 in. c.i. mains, 500,000 gal. filtration plant, etc. W. H. Booker, Charlotte, engr.; adv. E. N.-R. June 18. Noted May 28.

**O., Aurora**—See "Sewers."

**O., Cleveland**—June 24, by Comrs. Cuyahoga Co., mains in Snow Rd., Impvt. 65-B. $25,000. W. Williams, Court House, engr.

**O., Maple Heights** (Bedford P. O.)—See "Sewers."

**Ill., Altamont**—June 22, by City Clerk, concrete case strainer well 40 ft. deep and 16 ft. inside diam., strainer section not less than 25 ft. and upper 15 ft. incased in water tight concrete. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs.

**Wis., Iron Ridge** — June 25, by J. C. Schulz, village clk., 900 lin.ft. 4 and 6 in. centrifugal c.i. pipe.

**Minn., Minneapolis**—June 29, by F. S. Gram, city purch. agt., 4,000 water meters, 50,000 lin.ft. 6 in., 10,000 ft. 8 in., 10,000 ft. 12 in. and 5,000 ft. 16 in. c.i. pipe.

**Ont., Waterford**—June 22, by D. A. Hill, village clk., complete new waterworks. $50,-

Waterworks (Continued)

000. Fairchild Bros., Bank of Hamilton Chambers, Brantford, engrs.

**Ont., Welland**—June 25, by C. R. Hagen, chn. Water Comrs., water filtration plant, incl. annex to pump house, etc. $300,000. W. Chipman, Mail Bldg., engr.

### BIDS RECEIVED

**New York**—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, June 9, alterations to structures along 72 in. steel pipe line necessitated by construction of Conduit Blvd., in Queens and Nassau Counties, from Dooley Stapleton Corp., 257 Delphi Pl., Brooklyn, $37,661. Noted June 4.

**O., Cincinnati**—Hamilton Co., 22,760 ft. 6 and 8 in. c.i. mains in Water Supply Line 12, Dist. 4, School Sect. Rd., Harrison and Race Aves., and 21,494 ft. 6 and 8 in. mains in Water Supply Line 11, Dist. 4 and 5, Muddy Creek, Anderson Ferry and Foley Rds., from W. Hennigan, 7011 Montgomery Park, Norwood, $45,109 and $44,675 respectively, engrs. est. $50,757 and $51,446 respectively; 41,384 ft. 6 and 8 in. mains in Water Supply Line 19, Dist. 1, Osceola Park, Maderia Heights and Drake Rd., from J. Dempsey, 5310 Carthage Ave., Norwood, $76,237, engrs. est. $86,678. Noted June 4.

**Wash., Seattle**—Reconstructing mains in Federal Ave., 2,583 ft. 42 in., $\frac{7}{8}$ in. thick, and 3,210 ft. 42 in. 1 in. thick lock bar, also 1,955 ft. 20 in. c.i. pipe, from J. L. Smith, Pioneer Bldg., $91,994.

### CONTRACTS AWARDED

**Mass., Lawrence**—Morris Knowles, Inc., Westinghouse Bldg., Pittsburgh, Pa., sand filter, and Water St. Pumping Station, to P. J. Holland, 24 Ames St. Engrs. est. $275,000. Noted Apr. 16.

**Mass., Watertown** — Hood Rubber Co., high pressure water system, incl. pump houses, to Aberthaw Co., 27 School St., Boston, $30,000.

**Pa., McDonald**—West Penn Water Co., new pumping station, pumps, 3 mi. 12 in. force mains, etc., in various streets, to Gannett, Seelye & Flemming Engrs., Inc., 1 North Market Sq., Harrisburg.

**Md., Towson** — Comrs. Baltimore Co., 300,000 gal. elevated water tank, steel, to Chicago Bridge & Iron Co., 30 Church St., New York City, $19,250. Noted May 14.

**N. C., Newton**—L. H. Phillips, mayor, and Bd. Aldermen, water and sewerage extension, to Elliott Building Co., Hickory. Noted May 21.

**S. C., Spartanburg**—City, machinery in waterworks pumping station, on Pacolet River, to Burford, Hall & Smith, Citizens & Southern Bank Bldg., Atlanta, Ga., $70,000.

**Mich., Detroit**—Water Bd. will lay 340 ft. 16 in. c.i. mains in Eight Mile Rd., 2,710 ft. 8 in. in Mendota Ave., 710 ft. 8 in. in Coon Ave., 1,400 ft. 8 in. and 1,265 ft. 6 in. mains in Sherwood Ave., 1,520 ft. 8 in. in Violetlawn Ave., 2,560 ft. 6 in. in Carrie Ave., 780 ft. 8 in. in Wyoming Ave., 1,230 ft. 6 in. in Gabel Ave., 1,520 ft. 6 in. in Maplelawn Ave., 1,515 ft. 8 in. in Beechdale Ave. and 1,510 ft. 6 in. in Cedarlawn Ave., by day labor. G. H. Fenkell, genl. mgr. Water Bd., East Jefferson Ave.

**Ill., Quincy** — Waterworks Comn., 314 Main St., rein.-con. high reservoir, concrete covered, to Priester Constr. Co., Kahl Bldg., Davenport, Ia., $174,578. Noted June 11.

**Ill., White Hall** — City, raising present dam and spillway, diversion dam and spillway, raw water pump house, concrete coagulation basin, brick filter building, filter and pumping equipment, to C. M. Hanes, Jerseyville, $54,390. Engrs. est. $58,000. Noted Apr. 30.

**Wis., Sturtevant** — Village Clerk, 12,000 lin.ft. 6 in. and 3,000 lin.ft. 8 in. c.i. mains in various streets, to G. W. Mulholland, 2025 Oxford St., Rockford, Ill., at $0.39 and $0.44 per ft. respectively. Noted May 14.

**Wash., Seattle**—Bd. Pub. Wks., to Interstate Constr. Co., Thompson Bldg., mains in 46th Ave. S., 985 ft. 12 in. c.i. pipe at $3 per ft., 2,630 ft. 8 in. Class "B" pipe $1.74, and 5,940 ft. 8 in. Class "C" c.i. pipe $1.80, total $25,902. Noted June 4.

**Ont., Peterboro** — S. A. Armstrong, city clk., City Hall, Simcoe St. pipe line across Otonabee River, pumping station, grit chambers, aeration tanks, settling tanks, etc., to F. R. Wilford Co., Lindsay, $78,000; 3 sewage pumping units, to Smart, Turner Machine Co., $11,000; 3 complete compressor units, to Francis Hankin Co., 386 King St. W., Toronto, $18,753; air distribution, piping, etc., to W. R. Turner, Peterboro, $14,576. Noted Apr. 23.

## Sewers

### PROPOSED WORK

**Mass., Boston** — Plans 10 and 12 in. earthern pipe catch basins, etc., in River and Monponset Sts., Hyde Park; Verrill St. in Dorchester, and Sunset Hill Rd. and Center St. in West Roxbury. $25,000. J. A. Rourke, comr.

**R. I., Providence**—Plans sewerage works in Laurel Court, Radcliffe, Mooreland, Northup and Manton Aves. $25,000. J. B. Ballard, chn. com. on sewers.

**R. I., Providence**—Plans sewerage works in Alicant, Fosdyke, Bowdoin, Job and Quincy Sts. $25,000. J. B. Ballard, chn. Com. on Sewers.

**N. Y., New York** — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., rejected bids June 4, sewers in Pelham Parkway North and South. Noted June 11.

**Fla., Wauchula** — Voted $75,000 bonds, extending sewers in various streets. W. D. Carlton, mayor.

**Ala., Dothan**—Voted $75,000 bonds for sewers. J. R. W. Liesenby, city clk.

**Miss., Belzoni** — Making plans and soon takes bids additions to sanitary sewerage system. $25,000. D. M. Forester, city engr.

**O., Canton** — Plans 1,850 ft. sewers in Patton Ditch starting in Wertz Ave. south in 12th St. N. W., and north on Wertz Ave. to Abbott Pl. $25,000. W. E. Sarver, Canton, engr.

**O., Columbus**—See "Streets and Roads."

**O., Columbus**—Making plans 1,428 ft. 6 and 10 in. sewer, etc. in Parsons Ave., $6,406; 15,318 ft. 8- to 2-in. sewers, etc. in Olive St., $33,436; 5,760 ft. 6 and 8 in. sewer, etc. in Fairview Ave., $11,737; 730 ft. 8 in. sewer, etc. in Easement St., $1,906; and 4,930 ft. 6 and 8 in. sewer, etc. in alley east Dresden Ave., $11,088. R. H. Simpson, city engr.

**O., South Charleston** — Making plans sewage plant and sewer lines in various streets. $100,000. G. B. Gascoigne, Leader-News Bldg., Cleveland, engr.

**Mich., Bloomfield Hills** (Birmingham P. O.)—See "Waterworks."

**Mich., Detroit**—Plans 6,393 ft. 12- to 24-in. crock sewer in Lateral 4354, 4,376 ft. 12- to 24-in. in Lateral 4358, 750 ft. 12- to 15-in. in Lateral 4363, 2,919 ft. 12- to 20-in. in Lateral 4364, 864 ft. 12- to 15-in. in Lateral 4366, 1,425 ft. 12- to 18-in. in Lateral 4368, 1,008 ft. 12- to 15-in. in Lateral 4371, 875 ft. 12- to 15-in. in Lateral 4372, 551 ft. 18 in. in Lateral 4373, 1,255 ft. 12- to 20-in. in Lateral 4376, 1,479 ft. 12- to 18-in. in Lateral 4378, 1,868 ft. 12- to 15-in. in Lateral 4380, 2,045 ft. 10- to 20-in. in Lateral 4382. P. A. Fellows, city engr.

**Mo., Clayton**—Making preliminary plans 8, 10 and 12 in. sanitary sewers, etc., in Sewer Dist. 6, Overland Park Sect., $148,369; and 6, 8, 10 and 12 in. sanitary sewers, etc., in Sewer Dist. 7, St. Louis Co. $166,233. L. C. Dziatzko, Empire Bldg., Webster Groves, engr.

**Mo., Concordia**—Defeated $50,000 bonds, sanitary sewerage system. E. T. Archer & Co., 609 New England Natl. Bank Bldg., Kansas City, engrs. Noted May 28.

**Mo., Rolla** — Making surveys extending sanitary sewers in various streets. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs.

**Mo., West Plains** — Defeated $50,000 bonds, disposal plant and sewers, in various streets. Russell & Axon, 412 McDaniels Bldg., Springfield, engrs. Noted May 7.

**Tex., Austin** — Postponed indefinitely $75,000 bond election sewers various streets. Noted May 21.

**Tex., Lubbock**—Election July 2, $150,000 bonds, sanitary sewers in various streets. J. R. Germany, city secy. Engineer not announced.

**Calif., Ventura** — Voted $130,000 bonds for extending sewers in various streets. Noted Apr. 30.

**Ont., Ansonville**—Making plans 3 mi. 8 in. vitr. tile sewers in various streets. $25,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

**Ont., Brantford**—Plans 12,000 ft. 8 in. vitr. tile storm and sanitary sewers in various streets. $50,000. F. P. Adams, city engr.

**Ont., Chippawa**—Plans 20,000 to 25,000 ft. 8 in. vitr. clay sewers in various streets. $55,000. Engineer not selected.

**Ont., Guelph** — Plans storm sewers in various streets, $5,390, sanitary sewers in various streets, $26,000. H. S. Nicklin, city engr.

**Ont., Kingsville**—Plans sewer in Queen St. $30,000. W. G. Long, town clk.

**Ont., Markdale**—Plans sewerage system. $40,000. R. McEachnie, chn. com.

**Ont., Oshawa** — Plans rein.-con. sewage disposal plant, settling tanks, or activated sludge type. $50,000. W. C. Smith, city engr.

**Ont., Toronto**—East York Twp., Sammon Ave. Municipal Yard, plans 755 ft. 12 in. sewer in Queensdale Ave. and 275 ft. 12 in. in Linsmore Crescent $11,148; 245 ft. 12 in. sewer in Poulton Ave. $2,820; 348 ft. 12 in. and 335 ft. 15 in. sewer in Wiley Ave., $7,704; 670 ft. 12 in., 535 ft. 15 in. and 800 ft. 18 in. sewer in Meagher Ave. $31,936. G. R. Jack, twp. engr.

**Ont., Toronto**—York Twp., 40 Jarvis St., plans storm and sanitary sewers in Oliver Ave. $9,500, Arlington Ave. $14,700, Claxton Blvd. $7,730, Heathdale Rd. and Humewood Dr. $18,000. Work involves 15,000 ft. 8 in. vitr. tile and concrete pipe. F. R. Goedike, twp. engr.

**Ont., Windsor**—Plans 9,000 ft. 8 in. vitr. tile sewer in Tecumseh Rd., Pelissier, Church and York Sts., Victoria, Dougal and Bruce Aves. $37,200. M. E. Brian, city engr.

### BIDS DESIRED

**Mass., Boston**—June 19, by Dept. Pub. Wks., sewerage works in Radnor and Kirkwood Rds., Brighton. $25,000. J. A. Rourke, Comr.

**N. Y., Brooklyn** — June 24, by J. A. Guider, boro pres., Boro Hall, sewers in Colonial Rd., New York Ave., 65th, 85th and 71st Sts.

**N. Y., St. George** — June 30, by J. A. Lynch, pres. Richmond Boro, Boro Hall, 2 fine mechanical screens, incl. drive motors in sewage treatment plant, on site 560 ft. west of Ocean Ave. near Oakwood Beach.

**N. J., Butler**—June 29, by Boro Council, sewers in Bartholdi Ave. J. F. Bormuth, boro clk.; adv. E. N.-R. June 18.

**Pa., Lansdale** — July 6, by Council of Boro of Lansdale, 3,800 ft. vitr. sewer, rein.-con. culvert and sewage treatment plant. N. C. B. Kriebel, secy.; adv. E. N.-R. June 18.

**Pa., Phila.**—June 23, by Dept. Pub. Wks., Bureau of Engineering, main sewer in Stakley St.; Winghocking sewer in Howard St. from Master to Front Sts.; South Phila. Impvt., inclu. Oregon Ave. sewer from Weccacal Ave. to Front St.; branch sewers in Oxford Ave., Alresford, Colorado, Darien, Edgemont and Gaul Sts.

**N. C., Chapel Hill**—June 24, by W. S. Robertson, mayor, and Bd. Aldermen, intercepting outfall sanitary sewer and disposal plant, etc. W. C. Olsen, Masonic Temple Bldg., Raleigh, consult. engr.

**N. C., Marion**—June 23, by Bd. Aldermen, sewage disposal plant. H. H. Tate, Marion, mayor.

**O., Aurora** — W. O'Rourke Co., engrs., Guarantee Title Bldg., Cleveland, taking bids sewer and watermains in various streets, here, for A. B. Smythe Co., Smythe Bldg., Cleveland.

**O., Cleveland**—June 24, by Comrs. Cuyahoga, sewers in S. O. M. Center and Bonnyview Rds., Impvt. 301, Sect. A. $75,000. Former contract rescinded. W. Williams, Court House, engr. Noted May 28.

**O., Cleveland**—Cuyahoga Co. taking bids 4,500 ft. 8- to 27-in. vitr. clay sewer in Sheraton and Forestwood Drives, Impvt. 31. To exceed $25,000. W. Williams, Court House, engr.

**O., Maple Heights** (Bedford P. O.)—Taking bids sewer and watermains in various streets. To exceed $25,000. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

**Ia., Stanton**—See "Streets and Roads."

**Calif., San Pablo**—Directors San Pablo Sanitary Dist., taking bids 3 mi. 6 in. vitr. sewers in Glenn, Park, Casino Aves., etc. R. L. Calfee, 221 South 22nd St., Richmond, engr. Noted May 28.

### BIDS RECEIVED

**Md., Baltimore**—Bd. Awards, 30,300 ft. 8 in. vitr. sewer, 11,900 lin.ft. 5 and 6 in. house connections, etc, in Sewer Dist. H-6-2, Contr. 218, from N. Martell, 417 South Eden St., $102,951. Noted June 4.

### CONTRACTS AWARDED

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Stanhy Constr. Co., Steinway Ave., sewers in Borden Ave. $4,284; to C. Pettracca, 737 Kathleen Court, Brooklyn, sewers in Cooper Ave. $590, Fisk Ave. $675, Market St. $555; to H. J. Mullin, Contg. Co., Jamaica Ave. and 144th St., Jamaica, $16,838. Noted June 4.

Sewers (Continued)

**N. Y., New York** — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in Hull Ave. West 176th St., to F. Gabrielle, 1129 8th Ave., $3,231 and $12,551 respectively; sewer in Zulette Ave., to Fiorello & Koch, $2,196. Noted June 11.

**N. J., South Amboy** — Common Council, 1,500 ft. concrete sewer pipe for sewer in John St., to Lock Joint Pipe Co., 165 Bway., New York City, $12,566.

**Pa., Phila.** — Dept. Pub. Wks., Bureau Engineering, main sewers in Bristol St., to P. and E. J. Ellis, 4th and Wyoming Sts. $135,986, in Church St., and branch sewer in Overbrook St., to W. H. Garson, 5033 Brown St., $22,900 and $10,857 respectively; main sewer in Robbins St., to R. P. Ryan, 601 Lincoln Bldg., $92,005; main sewer in 34th and Spruce Sts., South Phila. Impvt. sewers in Packer and Broad Sts., and branch sewer in Cemetery Ave., to J. J. McHugh, 1617 Race St., $37,151, $125,967 and $2,642 respectively; South Phila. Impvt. sewers through East League, Park and Private Properties, also Oregon Ave., to Pennsylvania Eng. & Constr. Co., Real Estate Trust Bldg., $28,490 and $39,648 respectively; sewage treatment in Oak Lane Intercepting sewer, to Vare Constr. Co., 1120 Race St., $84,549; branch sewer in Hartel and 63rd Sts., to A. D. Sandro & Son, 3906 North 5th St. $3,960 and $8,400 respectively, in Lycoming St., to McCool Constr. Co., 5033 Duffield St. $3,742, in Nedro St., to E. F. Bennis, 825 East Washington Lane, $12,699; laboratory equipment, to A. H. Thomas Co., 230 South 7th St., $5,224. Grand total $614,220. Noted June 4.

**Pa., Pittsburgh** — City, 6,418 ft. 42 in. rein.-con. and 302 ft. 15 in. sewer in Saw Mill Run Drainage Basin, from Warrington to Woodstock Aves., Contr. 4, to R. D. Thomas, 333 Bouquet St., $121,000.

**Md., Baltimore** — Bd. Awards storm sewers in Dist. G. 11, 46-B, P-8, and P-4, Storm Water Contr. 83, incl. 500 lin.ft. 9 ft. 2 in. x 5 ft. and 2,160 lin.ft. 6 ft. x 3 ft. 6 in. rein.-con. box drain, 5,875 lin.ft. 24- to 42-in. concrete pipe, 4,858 lin.ft. vitr. pipe drain and inlet connections, to P. Marocco, 638 South Linwood Ave., $137,238. Noted June 11.

**N. C., Newton**—See "Waterworks."

**Fla., Tampa**—City Comn., City Hall, to Bryan & Co., Phelps St., Jacksonville, sanitary sewers in Sect. 11, Seminole Heights, $59,040, Sect. 13 $39,081, Sects. 14 and 17 $25,340, to Erler Corp. Tampa, Sect. 12 $69,509. Grand total $192,970. Noted Apr. 8.

**O., Cleveland**—Bd. Park Comrs. Metropolitan Park Dist., 1,500 ft., 4 x 11½ ft. concrete conduit in Big Creek Parkway, to Gantose Constr. Co., 4816 Brookpark Rd., $39,415. Noted May 21.

**Mich., Detroit**—Dept. Pub. Wks., to W. Blanck Co., 40 Seven Mile Rd. E., Lateral Sewer 4354 $13,400; to M. Di Ponio, 3608 Riopelle St., Lateral 4358 $11,900, Lateral 4364 $4,879; to Waterway Constr. Co., 400 Penobscot Bldg., Lateral 4363 $1,198, Lateral 4366 $1,493, Lateral 4376 $2,559, Lateral 4378 $2,854, Lateral 4382 $5,695; to Hoffman & Odien, Detroit, Lateral 4368 $11,000; to H. Ponterelli, 3536 St. Aubin Ave. Lateral 4371 $4,000; to C. Brakke, 1558 Sycamore Ave. Lateral 4373 $3,375; to A. Rossi, 5307 Pennsylvania Ave. Storm Sewer 4380 $3,700.

**Mich., Detroit**—See "Streets and Roads."

**Mich., Springwells** — To T. D. Nolan, 11341 Woodward Ave., Detroit, 8,349 ft. 10 in. and 429 ft. 12 in. vitr. tile sewer in Sewer 44 $17,548, 721 ft. 6 in. and 423 ft. 12 in. vitr. tile sewer in Sewer 57 $840; to Coolsaet Bros., 12734 Michigan Ave., Detroit, 1,533 ft. 12 in., 310 ft. 18 in., 2,332 ft. 21 in., 2,980 ft. 24 in., 2,022 ft. 27 in. and 1,005 ft. 30 in. vitr. tile sewer in Sewer 58, $38,398.

**Ill., Batavia**—City, two disposal plants, 1 for North and other for South Dists., to Kuehn Bros., Aurora, $22,560. Engrs. est. $22,687. Noted May 21.

**Ill., Bloomington** — See "Excavation, Drainage, Irrigation, Levees."

**Ill., De Pue** — Approximately 5 mi. sanitary sewers in various streets, and disposal plant, to P. Di Paolo, 1074 West Taylor St., Chicago, $39,756.

**Ill., Springfield**—Sanitary Dist., Sect. A of sanitary intercepting sewer project, to Hanson & Willadsen Co., Omaha, Neb., $272,242. Noted June 4.

**Wis., Lake** (Oakwood P. O.)—W. Barbeau, town clk., to G. W. Mulholland, 2025 Oxford St., Rockford, Ill., sanitary sewers in various streets, 338.25 lin.ft. 10-in. clay pipe at $1.75 per lin.ft., 31,689.8 lin.ft. 8 in. clay pipe $1.85, 15 lin.ft. 10 in. c.i. pipe $6, etc. Noted June 4.

**Minn., Isanti** — G. H. Chalmers, city clk., sanitary sewers in various streets, Schedule 1, 1,010 ft. 8 in., 620 ft. 10 in. and 5,150 ft. 12 in. pipe, 9 standard and 13 special manholes, etc., to K. C. Richardson, Anoka and W. Ravenholdt, Isanti, $8,700; Schedule 2 rejected. Noted May 14.

**Minn., St. Paul**—H. W. Austin, city clk., constructing Belt Line, Phalen and Hazel Park sewers, Contr. K, to O'Neil & Preston, 608 Exch. Bank Bldg., $132,000. Noted June 11.

**Minn., Winona**—G. W. Hoffman, city clk., 11,459 ft. 8- to 12-in. vitr. clay and 751 ft. 12 in. c.i. sewer pipe. Sewer Dist. 5, to C. L. Jensen, Winona, $19,737; and 7,208 ft. 12 to 42-in. concrete storm sewers, etc. in Main, Harriet and Kansas Sts., to J. L. Hegard, Winona, $32,484. Noted May 7 and 14 respectively.

**Mo., Cape Girardeau**—Complete sanitary sewerage system in Normal Sewer Dist., to W. P. George Co., Pine Bluff, Ark., $43,302.

**Tex., Crowell** — City, E. Kimsey, secy., sewer improvements, incl. mains, laterals, and disposal plant, to Jordan Constr. Co., Plainview, approximately $50,000.

**Tex., Edinburg** — City, 6 mi. sewers lines, laterals, etc., to W. L. Pearson & Co., Edinburg, approximately $70,000.

**Okla., Okemah** — Sewage disposal plant, incl. Imhoff tank, 1,200 ft. 15 in. vitr. clay outfall sewers, etc. in various streets, to W. B. Carter, Tulsa, $28,151. Engrs. est. $30,000.

**Okla., Oklahoma City**—Sanitary sewers in Mila Pl. addition, to J. Tibey & Son, 1109 West 7th St., $19,584; and in Putnam Heights addition, to Municipal Excavator Co., 200 East Grand Ave., $5,688; asphalt surfacing 1,600 sq.yd. Pennsylvania Ave., to Western Paving Co., Tradesmens Natl. Bank Bldg., at $8,074.

**Calif., Los Angeles**—Sewers in 10th Ave. between Mont Clair and Jefferson Sts., to G. W. Kemper, P. O. Box 126, Alhambra, $62,500.

**Ont., Toronto** — Constructing 1,500 ft. brick trunk sewer in Dundas St., to W. R. Worthington Constr. Co., 57 Lascelles Blvd., $31,340. Engrs. est. $35,000.

**Ont., Toronto**—East York Twp., Sammon Ave. Municipal Yard, to Murphy Contg. Co., 8 Wychwood Park, sewers in Donlands Ave. $2,947, Paulton Ave. $1,867; to G. C. Simone, 10 Coleridge Ave. sewer in Donlands Ave. $8,212; to Goldie Constr. Co., 32 Church St., sewer in Mortimer Ave., $26,900; to W. B. Mitchell Constr. Co., 43 Elmwood Ave., London, sewer in Sammon Ave. $10,970, Durant Ave. $1,215; by day labor under supervision of G. R. Jack, twp. engr., sewer in Leryo Ave. $2,805, Goyder Ave. $2,574, Greenwood Ave. $6,847.

**Ont., Toronto**—York Twp., 40 Jarvis St., vitr. tile sewers in Keele St., Aileen Ave. and Scott Rd., to Holdroft Constr. Co., Kingston, $37,597; Eglington Ave., to Natl. Contg. Co., 9 Garnock Ave., $9,735; Lauder, Northcliffe, Westmount, Raglan and Heathdale Aves., to F. F. Fry Ltd., 43 Scott St., $19,334; in Claxton Blvd., to A. Gavotti, 257 Euclid Ave., $4,054; Lanark Ave. and Gloucester Grove, to Ruscica Bros., 84 Woody Crest Ave., $5,232. Work involves about 20,000 lin.ft. pipe.

## Waste Disposal

**BIDS DESIRED**

**Fla., West Palm Beach**—July 6, by City, 60 ton garbage incinerator addition. C. A. Bingham, city mgr.; adv. E. N.-R. June 18.

## Bridges

**PROPOSED WORK**

**N. Y., Ebenezer**—Erie Co. (Buffalo) making preliminary plans 50 ft. concrete bridge over Cazenovia Creek on Mill Road. $40,000. G. C. Diehl, Elliott Sq. Bldg., engr.

**S. C., Columbia**—Clarendon-Orangeburg Bridge Comn., sold $180,000 bonds for 2 mi. treated timber, steel and concrete bridge over Santee River between Orangeburg and Clarendon Counties. Total cost $440,000. Above counties appropriated $90,000 and State and Federal Aid $260,000 toward cost.

**Ohio**—Dept. Highways & Pub. Wks., Columbus, rejected bids May 22, bridge on Sect. "E-Bridge" Canton-Canal Dover Rd., Tuscarawas Co., $37,510. Noted May 14.

**Ky., Louisville**—State Hy. Dept., Frankfort, plans steel truss bridge across Ohio River, at 10th St., here. $5,000,000. Fay, Spofford & Thorndike, 200 Devonshire St., Boston, Mass., engrs.

**Kan., Abilene**—See "Streets and Roads."

**Texas** — Texas-Coahuila Bridge Co., Eagle Pass, plans rein.-con. or steel bridge over Rio Grande River at Eagle Pass, Maverick Co. $100,000 or more; and one at Del Rio, Val Verde Co., $150,000 or more. H. Mangum, Eagle Pass, one of incorporators. Engineer not selected.

**Tex., Hallettsville** — See "Streets and Roads."

**Tex., Orange**—Orange Co., and Louisiana Hy. Comn., Baton Rouge, La., plan 300 ft. swing, 125 ft. steel and concrete, and simple and timber trestle approach span steel and concrete bridge with piling protection across Sabine River, here. $300,000. C. G. Wickline, 912 West 22nd St., Austin, state bridge engr.

**Tex., Sulphur Springs**—See "Streets and Roads."

**BIDS DESIRED**

**Connecticut**—See "Streets and Roads."

**N. Y., West Seneca**—June 22, by Bd. Hy. Superintendent, Lind Ave., Gardenville, 3 concrete bridges over Fisher Rd., here, in Erie Co. G. C. Diehl, 575 Elliott Sq., Buffalo, engr.

**Georgia**—June 26, by State Hy. Dept., East Point, bridge over Satilla River, on Waycross-Brunswick Rd., between Atkinson and Lulation, Federal Aid Project 388, Brantley Co., 14,800 lb. reinfrocing, 410,600 ft. treated and 14,300 ft. untreated timber, 17,872 ft. treated and 1,300 ft. untreated piling, etc. H. M. Pafford, Waycross, engr.

**Pa., Chester** — June 30, at office G. T. Wadas, county controller Media, Bridge 185, known as West 9th St. bridge over Chester River; adv. E. N.-R. June 18.

**Pa., Media** — June 30, at office G. T. Wadas, county controller, Bridge 74, known as Maris Worrall Bridge over Darby Creek, on state road between Upper Darby and Springfield Twps.; also Bridge 232, known as Tribbett Ave., over Heresprotes Run. in Folcroft Boro.; adv. E. N.-R. June 18.

**Pa., Pittsburgh** — Allegheny Co. taking bids and open same about June 10, for bridge masonry and approach fill for substructure of Liberty Bridge over Monongahela River. Total $3,771,000. County-Dept. Pub. Wks., Court House, engrs.

**W. Va., Philippi** — See "Streets and Roads."

**Georgia** — July 6, by State Hy. Dept., East Point, steel and concrete bridge across Flat Shoals Creek, about 10 mi. southeast of Lagrange, Troup Co., 238 cu.yd. concrete, 34,450 lb. reinforcing, 360 lin.ft. untreated foundation piles, etc., and concrete bridge about 5 mi. North of Lagrange, at Youngs Mill, Troup Co., 296 cu.yd. concrete, 42,800 lb. reinforcing, etc. W. R. Neel, highway engr.

**Alabama**—July 8, by State Hy. Comn., Montgomery, 1,400 ft. rein.-con. arch or steel girder bridge with bascule channel span, 20 ft. roadway, and two 6 ft. sidewalks, across Tennessee River on State Project 63, at Decatur and Albany, Limestone and Morgan Counties, 6,000 cu.yd. concrete, 700,000 lb. reinforcing, etc. $425,000. W. S. Keller, highway engr. Noted May 21.

**Louisiana**—June 30, by State Hy. Dept. Reymond Bldg., Baton Rouge, constructing Salt Bayou Bridge, on New Orleans-Mississippi Highway, Federal Aid Project 126, Sect. C, St. Tammany Parish. W. B. Robert, ch. engr.

**Louisiana**—See "Streets and Roads."

**Missouri**—June 26, by State Hy. Comn., Jefferson City, two 12 ft. rein.-con. slab spans, etc. over Midway Creek, Barton Co.; one 55 ft. steel deck plate girder span, etc. over Chicago Rock Island R.R. tracks, Franklin Co.; three 86 ft. rein.-con. arch spans, etc. over Sinking Creek, Shannon Co.; five 110 ft. rein.-con. arch spans, etc. over Meramec River and six 20 ft. rein.-con. slab spans, etc. over Yadkin River, both in Crawford Co.; three 45 ft. rein.-con. deck girder spans, etc. over middle fork of Chariton River, one 35 ft. and two 30 ft. rein.-con. deck girder spans, etc. over Chicago Burlington & Quincy R.R. tracks, both in Macon Co.; one 40 ft. rein.-con. deck girder span, etc. over Grindstone Creek, Dekalb Co.; three 80 ft. rein.-con. arch spans, etc., over Barren Creek, and two 40 ft. rein.-con. deck girder spans, etc. over Hogard Creek, both in Ozark Co. B. H. Piepmeier, ch. engr.

**Arkansas**—See "Streets and Roads."

**Arkansas**—June 29, by State Hy. Dept., Little Rock, two 80 ft. truss spans with substructure and five 30 ft. concrete approach span bridge over Frog Bayou, near Alma, 120,600 lb. structural steel, 59,832 lb. reinforcing, etc.; one 60 ft. truss span bridge with substructures, on Mena-De-Queen Rd. near Mena, 33,520 lb. structural steel, 10,575 lb. reinforcing, etc.; one 150 ft. truss span with substructures, and 15

Bridges (Continued)

timber approach spans over L'Anguille River on Marianna North Rd., 131,500 lb. structural steel, 20,508 lb. reinforcing, 2,700 ft. treated and 1,400 ft. untreated piling, 16,344 ft. untreated timber, etc.; one 120 ft. and one 200 ft. truss span with substructures and four concrete approach spans over Fourche River, near Boles, Scott Co., 58,545 lb. reinforcing, 369,250 lb. structural steel, etc. R. C. Limerick, highway engr.

**Tex., Wichita Falls**—See "Streets and Roads."

**Wash., Aberdeen** — June 24, by City, 5 concrete piers for bridge replacing old West Bridge, 1,500 cu.yd. concrete, etc., bids for superstructure will be taken soon. $200,000. M. M. Caldwell, Central Bldg., Seattle, engr. Noted June 11.

**BIDS RECEIVED**

**Mass., Boston**—Dept. Pub. Wks., rebuilding concrete and steel bridge over tracks New York, New Haven and Hartford R.R., at Massachusetts Ave., from M. P. Gaddis, 2 A Victorian St., Dorchester, $64,350. Noted June 11.

**Minnesota**—See "Streets and Roads."

**Missouri** — State Hy. Dept., Jefferson City, June 5, from Novaculity Constr. Co., Marion, Ill., three 14 ft. rein.-con. beam span, etc., over D. D. 22 in Portageville-Arkansas State Line Rd., $3,192; from Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., three 20 ft. rein.-con. I-beam spans, etc., over D. D. 2 $5,387, three 20 ft. I-beam spans, over D. D. 3 $5,800, three 16 ft., rein.-con. I-beam spans, etc., over D. D. 24, $5,047, on road from Portageville, south, all in Pemiscot Co. Noted May 28.

**Tex., Huntsville** — See "Streets and Roads."

**Tex., San Antonio**—City, 2 span 110 ft. rein.-con. and steel bridge across San Antonio River at Crockett and St. Marys Sts., from McKenzie Constr. Co., Travis Bldg., $30,500.

**CONTRACTS AWARDED**

**N. H., Nashua**—City, E. Sargent, mayor, new bridge, Main St., to Cunningham & Burwood, Lynn, $173,767. Noted Dec. 25.

**Mass., Marshfield**—Comrs. Plymouth Co., at office Fay, Spofford & Thorndike, engrs., 200 Devonshire St., Boston, rein.-con. bridge with regulating equipment for waterways in Green Harbor Dike, here, to Eng. Service & Constr. Co., 200 Devonshire St., Boston, $24,750. Noted May 14.

**Mass., West Springfield** (br. of Springfield)—Dept. Pub. Wks., Boston, W. F. Williams, comr. furnishing, fabricating and erecting steel bridge, here, to Boston Bridge Wks., Inc., 47 Winter St., Boston, $0.05 per lb. Noted June 11.

**Conn., New Haven**—City, 3 span 217 ft. steel girder bridge over Mill River at Willow St., to C. W. Blakeslee, 58 Waverly St., $81,249. Noted May 14.

**New Jersey**—State Hy. Dept., Trenton, double leaf trunnion bridge, etc., over Hackensack River on Route 1, Lincoln Highway between Kearny and Jersey City, Hudson Co., to Stillman, Delehanty, Ferris Co., 1 Exchange Pl., Jersey City, $774,998. Noted June 4.

**Pa., Mt. Pleasant** — Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., 205 ft. vertical lift, 2 track, steel bridge over Chesapeake and Delaware Canal, near here, to Phoenix Bridge Co., Phoenixville. Noted Apr. 16 under Wilmington, Del.

**Maryland** — State Roads Comn., Baltimore, bridge over Licking Creek on Natl. Pike, Contr. W-36, Washington Co., to Forbes-Murphy Constr. Co., 406 St. Paul St., Baltimore, $16,980. Noted June 11.

**Ala., Gadsden** — State Hy. Dept., Montgomery, 4 span 700 ft. steel bridge, here, to C. G. Kershaw, Woodward Bldg., Birmingham, $353,040. Engrs. est. $354,000.

**Tenn., Greenville**—Greene Co., 250 ft. rein.-con. and steel bridge across Nolachuckey River, near here, to Luten Bridge Co., Mercantile Bldg., Knoxville, approximately $28,000. Noted May 21.

**Ohio and West Virginia** — Inter-State Bridge Co., Bellaire, O., steel bridge across Ohio River, between Bellaire, O., and Benwood, W. Va., concrete piers, to Vang Constr. Co., Bessemer Bldg., Pittsburgh, Pa., $249,950; superstructure, to J. E. Moss Iron Co., 4 28th St., Wheeling, W. Va., $725,000.

**Ohio**—Dept. Highways & Pub. Wks., Columbus, concrete bridge on Sect. "F" Delaware-Newark Rd., Licking Co., to Lynn Constr. Co., Paulding, $12,808; bridge and approaches on Sect. "A" Youngstown-Conneaut Rd., Ashtabula Co., and furnishing and delivering brick for same to Reedy Bros., Warren, $29,568 and $1,139 respectively. Grand total $43,515. Noted May 14.

**Illinois** — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, to W. C. Johnson, Belleville, one 30 ft., three 40 ft. and one 50 ft. span girder bridges, one 20 ft. slab bridge, one substructure for 170 ft. steel span and twenty-five 50 ft. girder approach spans, Route 12, Sect. 1-B, Lawrence Co., $130,000; to Vincennes Bridge Co., Vincennes, Ind., one superstructure for two 160 ft. steel span bridge, Route 13, Sect. 13-C, Jackson Co., $22,892, superstructure for three 50 ft. steel spans, Route 31, Sect. 18-C, Fulton Co., $33,214, superstructure for two 150 ft. steel spans, Route 39, Sect. 120 Champaign Co., $22,974; to Acme Engineers, Decatur, two 150 ft. substructures for steel spans, and two 45 ft. girder approach spans, Route 39, Sect. 12-B, Champaign Co., $21,080; to E. M. Heaton, Marion, two 39 ft. and one 31 ft. rein.-con. girder bridges, Route 1, Sect. 37-V, Johnson Co., $8,611; to C. J. Moritz, Inc., Effingham, two 40 ft. span rein.-con. girder bridges, Route 33, Sect. 7-D, Effingham Co., $9,171. Grand total $247,942. Noted Feb. 26, Apr. 30 and May 28.

**Kan., Ft. Scott**—St. Louis & San Francisco R.R. Co., 322 North Bway., St. Louis, Mo., 50 ft. rein.-con. and steel viaduct over 3rd St., here, to Hedges Constr. Co., Holland Bldg., Springfield, Mo., approximately $30,000.

**Calif., Hinton**—State Hy. Comn., Sacramento, three 60 ft. and two 34 ft. span rein.-con. girder bridge, 21 ft. across Truckee River, near here, to McKay Eng. Co., Los Angeles Ry. Bldg., Los Angeles, $33,691. Engrs. est. $32,500.

**Calif., San Onofre** — State Hy. Comn., Sacramento, 8 fifty ft. span rein.-con. girder bridge, 30 ft. over San Mateo Creek, about 1 mi. north of here San Diego Co., to R. A. Wattson, 2304 Hyperion St., Los Angeles, $74,787. Engrs. est. $96,320. Noted June 11 under "California."

## Dams

**BIDS DESIRED**

**N. Y., Gouverneur**—July 9, by Bd. Lighting Comrs., 175 ft. concrete dam. L. C. Reynolds, 387 Castle St., Geneva, engr.; adv. E. N.-R. June 18.

**O., Hinckley** (mail Brunswick) — June 19, by Bd. Park Comrs. of Metropolitan Park Dist., West 3rd St. and Frankfort Ave., Cleveland, for rein.-con. dam, 15,000 cu.yd. concrete and 150,000 lb. reinforcing. $70,000. A. W. Zesiger, c/o owner, engr.

**CONTRACTS AWARDED**

**Ont., Norman** — Kewatin Power Co., Kenora, (owned by Backus-Brooks Co., 1100 Builders Exch. Bldg., Minneapolis Minn.), will rebuild rein.-con. dam, here, at Lake of the Woods, incl. 17,500 hp. hydro-electric plant, and 30,000 ton sulphite paper mill, by day labor. Private plans.

## Railways

**PROPOSED WORK**

**Ohio** — Northern Ohio Traction & Light Co., Terminal Bldg., Akron, plans new tracks between Bedford and Cleveland and new yard at stop 28 south of Bedford, $300,000; double tracking High St. in Barberton, $125,000; and removing, replacing and repairing tracks in New Philadelphia, $50,000. E. Krode, Terminal Bldg., Akron, ch. engr.

**Ontario**—Canadian Natl. Ry., New Union Sta., Toronto, plans additional siding to new grain elevator. $50,000. C. B. Brown, Montreal, ch. engr.

**BIDS DESIRED**

**California**—See "Excavation, Drainage, Irrigation, Levees, under Manteca."

**CONTRACTS AWARDED**

**Kansas and Oklahoma** — Atchison, Topeka & Santa Fe R.R. Co., Ry. Exch. Bldg., Chicago, Ill., 56 mi. track extension, incl. grading, laying tracks from Elkhart, Morton Co., Kan., to Cimarron and Texas Counties, Okla., to Sprague & Nisely, Beatrice, Neb.; stations, section houses, etc., to J. E. Nelson & Sons, 3240 South Michigan Ave., Chicago, Ill. Engrs. est. $600,000.

## Excavation, Drainage, Irrigation, Levees

**PROPOSED WORK**

**Fla., Ft. Pierce**—Ft. Pierce Inlet Dist., St. Lucie Co., voted $400,000 bonds to deepen channel of inlet to 18 ft., and extending jetties.

**Kan., Williamstown** — Stonehouse D. D. 1, making preliminary plans 3 mi. ditch 25 ft. at bottom, 10 ft. deep with levee on either side 90,740 cu.yd. excav., 1,180 cu.yd. borrow, grubbing 780 trees and 6,500 ft. hedge. Kansas Eng. Co., 1233 Webster St., Topeka, engrs.

**Calif., Richmond**—Rejected bids May 25, dredging approximately 100,000 cu.yd. in Inner Harbor. Noted June 11.

**Calif., Stockton**—Voted $3,000,000 bonds for deep water project, dredging, etc. W. B. Hogan, city engr. Noted Mar. 12.

**BIDS DESIRED**

**Louisiana**—June 25, by State Hy. Dept., Reymond Bldg., Baton Rouge, constructing roadway embankment, by either dredging canal, and constructing 0.862 mi. fire protection canal, Vinton-Orange Highway, Federal Aid Project 43-D, Calcasieu Parish, W. B. Robert, ch. engr.

**Ill., Cairo** — June 22, by Comrs. Drive Branch D. D. at office of Gilbert & Gilbert, engrs., Cairo, 7,646 ft. 8- to 20-in. tile to grade covering laterals 5, 5-A and 5-B.

**Calif., Manteca**—June 29, by Directors of Manteca Irrigation Dist., constructing Melones dam on Stanislaus River, in Tuolumne and Calaveras Counties, 16,000 cu.yd. excav. (mostly rock), 4,500 cu.yd. tunnel excav., 90,000 cu.yd. concrete, 570 tons metal gates, 80,000 bbls. cement; also for Melones Dam Railway and Wagon Rd. near above, 90,000 cu.yd. grading, 1,600 lin.ft. corrugated iron culverts, 8.5 mi. track laying, 850 tons track metal, 22,500 cross ties, etc. for South San Joaquin Irrigation Dist., Manteca, and Oakdale Irrigation Dist., Oakdale.

**BIDS RECEIVED**

**Neb., Lincoln** — Sanitary Dist. of Lancaster Co., c/o Peterson & Devoe, Bankers Life Bldg., from Martin-Day Co., 310 Little Bldg., constructing new channel Salt Creek and diversion dams, 135,000 cu.yd. excav. at $0.10 per cu.yd., one hundred 16 ft. cypress sheeting piling $1.75, 18.96 ft. fir timber in place $120.

**CONTRACTS AWARDED**

**Fla, St. Petersburg** — Voted $180,000 bonds, widening and deepening Booker Creek 9th St. Bridge to Bayou Harbor, incl. construction walls, etc. S. S. Martin, dir. Finance.

**La., New Orleans**—Bd. State Engineers, Room 213-15, New Court House Bldg., enlarging and repairing levee at Sutton to Well Bayou, Avoyelles Parish, to Dameron & Kenyon, Baton Rouge, $23,680.

**Ill., Bloomington** — McLean Co., Downs Mutual D. D., c/o Hall, Martin, Hoose & De Pew, 211 Unity Bldg., Bloomington, 16,020 ft. 12- to 24-in. tile pipe, 200 ft. 24 in. sewer pipe, etc., to Natl. Drain Pipe Co., 120 Rose Dispensary, $17,368.

**Tex., Brownsville**—Syndicate, system of canals and laterals to irrigate approximately 1,000 acres in El Jardin Heights, to Rio Grande Eng. Co., 305 1st Natl. Bank Bldg., Brownsville, $30,000.

**Calif., Manteca** — Trustees South San Joaquin Irrigation Dist., 4,000 bbl. Portland cement, to Stockton Ice & Fuel Co., Stockton, at $2.96 per bbl.; also 432,000 lb. square corrugated reinforcing steel bars, to E. L. Soule Co., Rialto Bldg., San Francisco, $3.18 per 100 lb.

**Calif., Woodland** — Reclamation Dist. 2068, Yolo Co., 730,000 cu.yd. machine excav., 217,000 sq.yd. concrete or granite lining, 4 pumping plants, 185,000 cu.yd. Fresno earthwork bridges, etc., to Callahan Constr. Co. & Smith Bros., Inc., 412 2nd St., Marysville, approximately $500,000.

**N. S., Lunenburg**—Dept. Pub. Wks., Ottawa, Ont., dredging 126,000 cu.yd., here, to Acadia Contractors Ltd., Halifax, $0.52 per cu.yd.

## Streets and Roads

**PROPOSED WORK**

**Mass., Boston**—Plans bituminous macadam surfacing Fenway St. between Longwood and Huntington Aves. $50,000. J. B. Shea, chn. Park Dept., 33 Beacon St.

**Mass., Cambridge** (Boston P. O.)—Plans paving Massachusetts Ave. from Harvard Bridge to Princeton St. $30,000 appropriated. Pub. Wks. Dept., engr.

**Mass., Cambridge** (Boston P. O.) — Plans paving Inman St. from Massachusetts Ave. to Inman Sq. $25,000 appropriated. Pub. Wks. Dept., engr.

**Mass., Needham** (Ind. br. of Boston) — Town, Norfolk Co. (Dedham), and State Hy. Dept., Boston, plan reconstructing Central Ave. $30,000 appropriated. Engineer not selected.

**R. I., Providence** — Dept. Pub. Wks., plans asphalt resurfacing Oakland Ave., Candace, Jewett and Somersett Sts. $25,000. W. F. Slade, comr.

**R. I., Providence**—Plans asphalt resurfacing Pavilion Ave., Eddy, Baker and Broad Sts. $25,000. W. F. Slade, comr. Pub. Wks. Dept.

**Connecticut**—State Hy. Dept., Hartford, plans improving highways from North Somers to Massachusetts State Line and

Streets and Roads (Continued)

East Long Meadow; from Bull's Corner, Main St., Woodbury to Tylers Bridge; from Wolcott and Oak St., Waterbury to Wolcott and Union St., Bristol; from East Haven Green via Short Beach to Post Road and Plants' Corner; from Hartford-New London Turnpike and Chesterfield to Post Road; from Winchester town line to Norfolk town line; from Indian Well, Shelton to Monroe town line; from New Britain town line and Kensington to West Main St., Meriden; from Mark Twain Library, Redding to Bethel; from Deep River to Killingworth; from East Hampton to Westchester; from Norfolk to New Canaan; from Brookfield to Bridgewater; also State St., Hamden, from New Haven to North Haven. W. A. McDonald, comr.

**Conn., New Britain**—Takes bids about July 1, resetting curbs, and rein.-con. or 3 in. bituminous on 6 in. concrete paving about 1,800 ft. Hartford Ave. from North St. to North Stanley St., 37 ft. $25,000. J. D. Williams, city engr.

**N. J., Camden**—Camden Co. plans improving 5 mi. various streets in Pensauken Twp. $235,000. R. V. Peabody, twp. clk. Engineer not selected.

**Pa., Pittsburgh** — Allegheny Co. plans rein.-con. paving 4,650 ft. Squaw Run Rd., 18 ft., $50,000. Co. Dept. Pub. Wks., City County Bldg., engrs.

**Florida**—State Road Dept., Tallahassee, made plans and takes bids about July 15, clearing and grubbing, etc., 7.431 mi. Project 595, Volusia Co. $168,000. J. L. Cresap, engr.

**Fla., De Land**—J. B. McCrary Eng. Co., engrs., Citizens & Southern Bank Bldg., Atlanta, Ga., take bids about July 1, paving 140,000 yd. various streets, here, for City.

**Fla., St. Petersburg** — Voted $490,000 bonds opening 1st Ave. N. from Capac to 9th Sts. S. S. Martin, dir. Finance.

**Fla., Sarasota** — Sarasota Co., election June 16, $30,000 bonds improving Rd. 1 Lockwood Bridge Rd.; $25,000 bonds Rd. 2, Verna Rd.; $25,000 bonds Rd. 3, Bradentown and Rd. 5 Venice By-Way; $75,000 bonds Rd. 4, Venice-Englewood Rd.; $157,000 bonds Rd. 6, Englewood-Miakka River Rd.; $55,000 bond Rd. 7, Hancock Road; $78,000 bond Rd. 8 Miakka Rd.; $100,000 bonds Rd. 9, Madison-Sugar Bowl Rd.; $95,000 bonds Rd. 10, Bee Ridge Rd.; $220,000 bonds Rd. 11, Siesta Rd.; $115,000 bonds Rd. 12, Crescent Beach Rd.; $30,000 bonds Rd. 13, Stickney Bridge Key and Rd. 20, Gocio Rd.; $28,000 bonds Rd. 14, Stickney Point Rd.; $28,000 bonds Rd. 15, Blackburn Point and Rd. 21, Albee Rd.; $60,000 bonds Rd. 16, Fruitville-Madison Rd.; $30,000 bonds Rd. 17, Tuttle Ave.; $25,000 bonds Rd. 18, Hyde Park Ave. Rd.; $65,000 bonds Rd. 19, Swift Rd.; $25,000 bonds Rd. 22, Wilkinson-McIntosh; $45,000 bonds Rd. 23, Clark Rd.; $25,000 bonds Rd. 24 McCall Rd.; $35,000 bond Rd. 25, Woodmere-Manosata Rd.; $48,000 bonds Rd. 26, Siesta Bridge Rd.; $25,000 bonds Rd. 27, Fruitville Rd.; $65,000 bonds Rd. 28, Bay Shore Rd.; $80,000 bonds Rd. 29, Old Miakka Rd.; $200,000 bonds Rd. 30, Osprey Ave.-Bee Ridge Rd.; $83,000 bonds Rd. 31, Victory Ave. Loop and Rd. 32 De Soto Rd.; $60,000 bonds Rd. 33, Indian Beach Rd., and $240,000 bonds Sugar Bowl Extension Rd. O. E. Roesch, co. clk.

**Fla., Tampa**—Plans grading and paving portion of Main St., $25,000; Buffalo St., $25,000; Woodlawn Ave., $25,000; and Palm St., $25,000. R. F. Martin, City Hall, engr.

**Fla., Wauchula** — Voted $50,000 bonds, paving various streets. W. D. Carlton, mayor.

**Ala., Birmingham** — City Commission takes bids about Aug. 1 asphalt paving 6 blocks 35th St., 3 blocks 16th Pl., and 3 blocks Huntsville Rd., all foregoing 40 ft.; also 1 block 20th Pl., 30 ft., $27,000. A. J. Hawkins, city engr.

**Miss., Natchez** — Voted $500,000 bonds, grading, curbing and hardsurfacing, etc. various streets. M. L. Culley, Jackson, engr.

**Miss., Natchez** — Wilkinson Co. election June 30, $40,000 bonds, improving 8 mi. Woodville-Louisiana State Line Rd.

**Miss., Water Valley**—Yalobusha Co. defeated $362,000 bonds, improving various roads. Noted Apr. 30.

**Tenn., Dyersburg** — Dyer Co. takes bids about June 29, improving various roads. $1,000,000. Noted Mar. 19.

**Tenn., Memphis** — Plans opening, widening, curbing and gravel surfacing, etc., 4,200 sq.yd. McMillan St., $18,734; grading, curbing, bituminous surfaced gravel paving, etc., 2,700 sq.yd. Manila Ave., $12,116, and 2,500 sq.yd. Court Ave., $10,488. W. Fowler, city engr.

**O., Canton**—Stark Co., plans brick paving 3 mi. Canton-Canal Fulton Rd., $16 ft. $85,000. A. M. Wise, Court House, engr.

**O., Columbus** — Making plans grading, laying necessary water services and sewer connections and paving with (a) asphalt (b) brick and (c) concrete 2,977 ft. Gregory, Magnolia and 26th Aves., 24 ft. (a) $46,374, (b) $56,051; 672 ft. Mock Rd., 30 ft., (a) $11,086 (b) $13,078; 552 ft. alley north Wyandotte Ave., 15 ft., (b) $3,474 (c) $3,085. R. H. Simpson, city engr.

**O., St. Clairsville** — Belmont Co. soon takes bids macadam and concrete paving 1 mi. and 500 ft. Sect. Barnesville-Bethesda Rd., 16 ft. $50,000. P. Murphy, St. Clairsville, engr.

**Michigan** — State Hy. Dept., Lansing, plans graveling 6.25 mi. Hale-Long Lake Rd., Iosco Co. G. C. Dillman, ch. engr.

**Mich., Detroit**—Made plans sheet asphalt concrete paving 3,185 sq.yd. 14th Ave., 24,445 sq.yd. Wyoming Ave. Sect. 1, 13,402 sq.yd. Canfield Ave., 5,628 sq.yd. Kendall Ave., 7,586 sq.yd. Alter Rd. from Kercheval to Charlevois Aves., 5,364 sq.yd. Alameda Ave., 3,834 sq.yd. Mandale Ave., 5,043 sq. yd. Alden Ave., 2,571 sq.yd. Tyler Ave., 5,747 sq.yd. Alter Rd. from Mack to Lozier Aves., and 1,869 sq.yd. Clarion Ave. P. A. Fellows, city engr.

**Mich., Detroit**—Making plans sheet asphalt paving 4,180 sq.yd. Cecil Ave. $18,814, 15,200 sq.yd. Wyoming Ave. $68,320, 25,190 sq.yd. Wyoming Ave., Sect. 3, $113,200, 4,020 sq.yd. Glendale Ave. $18,090, 1,280 sq.yd. Pittsburgh Ave. $5,800. P. A. Fellows, city engr.

**Ill., Belleville**—Making preliminary plans grading, curbing and concrete surfacing Roland Ave., 33rd, 34th and 35th Sts. $45,000. C. A. Hunzelman, City Hall, engr.

**Ill., Metropolis** — Massac Co., defeated $88,500 bonds gravel surfacing roads in Dist. 6.

**Ill., Rockford** — Plans grading, curbing and macadam surfacing Fremont St. from Burton to Fulton Sts.; concrete surfacing 12th St. from 14th to 16th Aves.; and alley between Grand and Churchill Sts. and between Cheanut and Green Sts. $35,010. B. C. Harvey, city engr.

**Minn., Minneapolis** — Legislature authorized $100,000 bonds, grading and gravel surfacing 20 mi. 6th Ave. N. beginning at point 4 mi. from city limits, Hennepin Co. Total $171,000. J. W. Shaffer, Court House, co. surv.

**Minn., Minneapolis**—City and Hennepin Co. making plans grading 6.5 mi. 54th St. (south city limits). $30,000. N. W. Elsberg, City Hall, engr.

**Kan., Abilene**—Dickinson Co. made plans grading, bridging, etc., 15.462 mi. Federal Aid Project 29-A and B, 28 ft. C. Nicholay, Abilene, engr.

**Neb., Papillion** — Plans brick paving streets in Sects. 4 and 5. $42,539. R. L. Cochran, Lincoln, highway engr.

**Neb., Papillion** — Sarpy Co. takes bids about June 15, 3 in. gravel surfacing 7 mi. various streets in Forrest City Precinct, $50,000; and 10.25 mi. in Richland Precinct, $53,000; 4 in. gravel surfacing 3.5 mi. streets in Papillion Precinct, $21,000, and 2 mi. streets in Gilmore Precinct, $14,000. J. D. Gavenman, Papillion, co. engr. Noted Jan. 29 and Feb. 5.

**Mo., Sullivan**—Soon takes bids concrete paving various streets. $40,000. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs. Noted May 28.

**Tex., Amarillo** — Making plans paving streets in Glenwood addition. $75,000. H. B. Jones, Amarillo, engr.

**Tex., Decatur**—Wise Co., c/o S. M. Ward, judge, election June 27, $1,000,000 bonds, improving various roads. H. R. Smith, Decatur, engr.

**Tex., Hallettsville** — Lavaca Co. election June 15, $150,000 bonds, gravel surfacing, bridging, etc. road between Sweet Home-Fayette Co., State Highway 72. W. H. Koether, Hallettsville, co. engr. Noted June 11.

**Tex., Laredo** — Webb Co. making plans gravel surfacing, etc. 1.59 mi. State Highway 2, State Project 559, 18 ft. $27,000. T. E. Huffman, Laredo, engr.

**Tex., Sulphur Springs** — Hopkins Co. making plans grading, bridging, etc. 8.84 mi. State Highway 1, Federal Aid Project 431-C, 18 ft. $60,000. J. B. Rieman, Sulphur Springs, engr.

**Tex., Sweetwater** — Nolan Co. making plans gravel surfacing, etc. 9.1 mi. State Highway 7. $140,000. J. A. Focht, Sweetwater, engr.

**Okla., Morris** — Making plans grading, curbing, guttering and vertical fibre brick surfacing 7,600 sq.yd. Main St. $35,000. Berwin & Wilson, Henryetta, engrs.

**Okla., Okemah**—Plans grading, curbing, guttering and vertical fibre brick surfacing 9,100 sq.yd. West Bway. $46,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Calif., San Francisco** — City and San Francisco Co., plan election $10,000,000 bonds, extending city boulevard system, purchase land for extensions, golf course, and park improvements, etc. M. M. O'Shaughnessy, city engr.

**Ont., Brantford**—Brant Co. voted $75,720 bonds, maintenance and construction of gravel roads, grading, culverts, etc. Most of work will be done by day labor. A. M. Jackson, County Bldg., engr.

**Ont., London**—Plans curbing, guttering, sidewalks and asphalt, concrete or macadam paving 40,000 sq.yd. various streets. $160,000. W. P. Near, city engr.

**Ont., Niagara Falls**—Plans curbing, guttering, grading, asphalt paving 12,000 sq. yd. Macdonald Ave. $15,958, 5th Ave. $18,643, and Orchard St. $8,858. Work will probably be done by day labor. T. S. Scott, city engr.

**Ont., Niagara Falls**—Plans curbing, guttering and asphalt paving 11,000 sq.yd. May Ave. $10,702, Heywood Ave. $8,531, and Stamford St. $12,386. T. S. Scott, city engr. Work will probably be done by day labor.

**Ont., Orangeville**—Dufferin Co. plans to expend $75,000 on maintenance earth and gravel roads, etc. Work will be done by day labor. Wheelock & Christie, Orangeville, engrs.

**Ont., Pembroke**—Plans grading and asphalt, waterbound macadam or concrete paving 18,000 sq.yd. various streets. $50,000. J. P. Howe, city engr.

**Okla., Ponca City**—Plans paving various streets. To exceed $25,000. E. A. Jones, Ponca City, engr.

**Ont., Sarnia**—Plans sidewalks and asphalt or concrete paving 7,000 sq.yd. various streets. $30,000. W. V. Taylor, city engr.

**Ont., Toronto**—Plans bitulithic paving Meagher Ave. $14,880, Glenlake Ave. $13,754; asphalt paving Burnside Dr., $17,151; grading lane southerly from Willow Ave. $5,850, Glenmanor Dr. W. $7,288, Glenmanor Dr. E., $9,012; concrete sidewalks on Adelaide St. W. $343, Beulah St. $783, Burnside Dr. $2,783, Bathurst St. $1,727, Chatsworth Dr. $7,053, Davisville Ave. $584, Cedarvale Ave. $759, Glenrose Ave. $988, Gunns Rd. $2,318, Harper Ave. $4,595, Hudson Ave. $4,595, Jedburgh Rd. $1,093, Orchard Park Blvd. $642, Queen St. $1,698, Redpath Ave. $1,942, Roehampton Ave. $329, Rosedale Heights Dr. $3,249, Silverthorn Ave. $1,496, and Yonge St. $822. R. C. Harris, city engr.

**Ont., Walkerville**—Making plans concrete paving various streets. $100,000. A. Patterson, city engr.

## BIDS DESIRED

**Maine** — June 23, by State Hy. Comn., Augusta, concrete and bituminous macadam surfacing, 3.87 mi. Sect. A York, and bituminous macadam surfacing 2.87 mi. Sect. B, Windham-Raymond Rds. P. D. Sargent, ch. engr.

**Massachusetts**—June 23, by Dept. Pub. Wks., Boston, bituminous macadam surfacing 3,700 ft. highway, in West Stockbridge, 1,700 ft. highway, in Weston, 525 ft. highway in Reading, and 10,748 ft. highway in Northfield; sheet asphalt or bitulithic paving Barrington and Minot Sts. and Hazelton St. extension, Dorchester; also gravel surfacing 3,400 ft. highway, in Tolland and Sandisfield. $25,000. J. A. Rourke, comr.

**Rhode Island**—July 1, by State Bd. Pub. Wks., State House, Providence, rein.-con. paving 7.69 mi. Contr. 2507, Federal Aid Project 25, Washington Co.; also bituminous macadam paving 2.91 mi. Contr. 2508, Newport Co.; adv. E. N.-R. June 18.

**Connecticut**—June 23, by J. A. Macdonald, comr. State Hy. Dept., Hartford, bituminous macadam paving roads in Chaplin, Roxbury and Simsbury; rein.-con. surfacing roads in Cromwell, Glastonbury, Milford, Meriden and Southington, Stamford and Darien, Torrington and Winchester; waterbound macadam surfacing in Hartland and Shelton; sheet asphalt paving in Hartford; plain and rein.-con. paving road in New Milford; grading, etc., in Fairfield, and 26 ft. 6 in. span concrete girder bridge over Trout Brook in West Hartford; adv. E. N.-R. June 18.

**N. Y., Brooklyn**—June 24, by J. A. Guider, boro pres. Boro Hall, asphalt paving Kings Highway, Park Pl., Caton, Nostrand, 10th, and 12th Aves., Ave. P from Gravesend Ave. to Ocean Parkway, and Ave. P from Ocean Parkway to East 9th St., East 17th, 65th, 70th and 83rd Sts.; grading, curbing and flagging East 17th and 93rd Sts.

**N. Y., Long Island City** — June 23, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks and asphalt paving 7th and 88th Aves., 108th, 122nd and Hooker Sts.; asphalt repaving Fushing and Jamaica Aves.; grading, curbing, sidewalks, etc. on Shaler St.; regrading and paving Queens Blvd. from Gosman Ave. to 67th St. (Lee Ave.) and Queens Blvd. from 67th St. (Lee Ave.) to Bway. (Grand St.)

Streets and Roads (Continued)

**New Jersey**—July 6, by State Hy. Dept., Trenton, rein.-con. paving 90,220 sq.yd. Route 4, Sect. 32, Middlesex and Union Counties. A. L. Grover, secy.; adv. E. N.-R. June 18.

**N. Y., Peekskill**—July 6, at office F. L. Merritt, clk., Bd. Supervs. Westchester Co., Court House, White Plains, rein.-con. paving 1.31 mi. South Division St., here. F. L. Merritt, clk.; adv. E. N.-R. June 18.

**N. J., Newton** — July 1, by Bd. Freeholders Sussex Co., rein.-con. paving 14,222 sq.yd. Ross Corner Sussex Rd., Sect. 1B, Frankford Twp. and shale surfacing 60,335 sq.yd. Sussex Coleville Rd., Wantage Twp. H. Snook, co. engr.; adv. E. N.-R. June 18.

**N. J., Trenton**—June 23, by Freeholders Mercer Co., paving and widening Ewingville road and pipe drain in Kuser road. $27,000. H. F. Harris, Trenton, engr.

**Pa., McMurray** (Mail Cannonsburg)—June 24, by Comrs. Allegheny Co. (Pittsburgh), rein.-con. paving 12,000 ft. McMurray Rd., 18 ft., here. $100,000. County, c/o Dept. of Pub. Wks., City County Bldg., Pittsburgh, engrs.

**Pa., Phila.**—June 22, by Bureau Highways & Dept. Pub. Wks., (Schedule A) grading 94,106 cu.yd. 9 streets; (Schedule B) asphalt paving 397,666 sq.yd. 26 streets; (Schedule C) country road improving 15,251 sq.yd. 7 streets; (Schedule D) redressed granite block paving 20,031 sq.yd. 3 streets; (Schedule E) furnishing granite blocks to pave 7,200 sq.yd. 16th St.; (Schedule G) grading 374,074 cu.yd. 1 street. G. H. Biles, dir. Pub. Wks.

**Pa., Uniontown**—June 30, by E. Huston, controller Fayette Co., one course rein.-con. paving, etc., 6,550 ft. Uniontown-McClellandtown Rd. L. C. Clemmer, Uniontown, engr. Noted May 28.

**Md., Baltimore**—June 24, by Bd. Awards, improving streets as listed in Contr. 289-OANA. L. G. Turner, acting chn. Paving Comn., 214 Lexington St., engr.

**W. Va., Huntington** — June 22, by Bd. City Comrs., grading, curbing and paving Elwood Ave. from Washington Blvd. to Saltwell Rd., Arlington; Carlton St. from Elmwood to Sumner Aves. and Sumner Ave. from Willoughby Ave. to Arlington Blvd. A. B. Maupin, city engr.

**W. Va., Philippi** — July 1, by Barbour Co. Court, grading, bituminous macadam surfacing, etc. 1.5 mi. Ford Run Rd. Project 6, Philippi Dist. 0.3 mi. Morrall Rd., Project 6-A, Philippi Ind. Dist., (both to be let as one project), also 3 mi. Taylors Drain Clemtown Rd., Project 9, Pleasant Dist. R. Johnson, Philippi, co. engr. Noted Apr. 2.

**W. Va., Philippi**—July 2, by Barbour Co. Court, grading, bituminous macadam surfacing, etc. 1.3 mi. Bend of the River Rd., Project 7, Philippi Dist., 2 mi. Bear Valley Rd., Project I, Pleasants Dist., incl. Simpson Bridges 1 and 2. R. Johnson, Philippi, co. engr. Noted Apr. 2.

**W. Va., Philippi** — July 3, by Barbour Co. Court, grading, bituminous macadam surfacing, etc. 1.7 mi. Brushy Fork Rd., Project 5, Philippi Dist., and 4 mi. Philippi-Dent Rd., Project 10, Cove Dist. R. Johnson, Philippi co. engr. Noted Apr. 2.

**N. C., Elizabeth City** — June 27, by Pasquotank Co. Highway Comn., paving 3 mi. Body Rd. J. R. Ford, Box 232, engr.; adv. E. N.-R. June 18.

**S. C., Georgetown**—July 1, at office of City Clerk, paving, etc., 230,000 sq.yd. various streets. Johnson & Johnson, Marion, engrs.; adv. E. N.-R. June 18.

**Georgia** — June 26, by State Hy. Dept., East Point, sheet asphalt or Kentucky rock asphalt surfacing 63,787 sq.yd. Athens-Winder Rd. Federal Aid Projects 48 and 400-A, Clarke Co.; concrete surfacing 99,986 sq.yd. Valdosta-Quinton Rd., Federal Aid Project 397, Loundes Co. · double surface treating 155,356 sq.yd. Thomasville-Quitman Rd., Federal Aid Projects 142 and 294-A, Thomas Co., and 65,707 sq.yd. Waycross-Falkston Rd., Federal Aid Projects 114 and 212, Ware Co. H. M. Pafford, Waycross, engr.

**Ga., Columbus**—June 29, by Comrs. Muskogee Co., Court House, resurfacing approximately 90,000 sq.yd. tarvia surfaced streets. R. H. Barnes, Columbus, co. clk.

**Fla., Dade City**—July 7, by Bd. Comrs. Pasco Co., bituminous on rock paving Projects 1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 25; grading, etc., Project 10; grading and sand clay surfacing Projects 20, 23 and 24. A. J. Burnside, clk.; adv. E. N.-R. June 18.

**Fla., Tampa**—June 23, by City Comrs., widening, regrading and vitr. brick paving 7th Ave. $40,000. R. D. Martin, City Hall, engr.

**Louisiana**—June 22, by State Hy. Dept., Reymond Bldg., Baton Rouge, vitr. brick, Warrenite bitulithic, asphaltic concrete, Uvalde rock asphalt, or sheet asphalt paving 1.413 mi. State Project 360 B, Baton Rouge-Agricultural College Highway, East Baton Rouge Parish. W. B. Roberts, ch. engr. This corrects report in May 28 issue.

**Louisiana**—July 2, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 2 mi. Many Zwolle Highway, State Project 398-B, Sabine Parish, 6.45 mi. St. Francisville-Clinton Highway, State Project 375-A, Easn Feliciana Parish, and 7.75 mi. Monroe-Farmersville Highway, State Project 449, Ouachita Parish, also separate bids furnishing gravel for above projects. W. B. Robert, ch. engr.

**Kentucky**—July 13, by State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project, and S. A. P. means State Aid Project)**, grading, etc., 2.5 mi. Cannonsburg-Laurel Creek Rd., F. A. P. 137, Boyd Co., 4.8 mi. Bardwell-Wyckliffe Rd., F. A. P. 131-C, Carlisle Co., 3.4 mi. Madisonville-Hopkinsville Rd., F. A. P. 122-A and B, Hopkins Co., 3.3 mi. Beatyville-Jackson Rd., S. A. P. 29-C, Lee Co., 6.5 mi. Owensboro-Livermore Rd., S. A. P. 77-A, 2.9 mi. Livermore-Central City Rd., S. A. P. 77-B, and 4 mi. Owensboro-Beech Grove Rd., McLean Co., all foregoing 24 and 28 ft.; rock asphalt on concrete or rein.-con. surfacing 0.7 mi. Covington-Lexington Rd., 24 and 36 ft., F. A. P. 141-A, Kenton Co.; river gravel, bank gravel or waterbound macadam surfacing 6.3 mi. Louisville-Paducah Rd., 16 ft., F. A. P. 31, Meade Co. E. N. Todd, highway engr.

**O., Akron** — June 29, by W. F. Peters, dir. Pub. Serv., grading, curbing, laying sidewalks and vitr. brick paving, etc. 7,070 sq.yd. Greenwood Ave. $53,000, 3,700 sq.yd. Damon St. $30,200, 6,440 sq.yd. Madison Ave., $54,200, 1,175 sq.yd. Cranz Pl. $9,500, 1,700 sq.yd. 6th St., $11,800; grading and vitr. brick paving 920 sq.yd. Albion Ave., $4,300. E. A. Kemmler, Delaware Bldg., engr.

**O., Akron**—June 29, by Comrs. Summit Co., grading, curbing and bituminous concrete paving, etc., 17,200 sq.yd. Cuyahoga Falls-Magadore Rd., $74,000, and 6,000 sq.yd. South Main St. Rd., $26,400; grading and improving with slag, etc., 2.73 mi. Monroe Falls-Kent Rd., 6,000 tons slag, etc., $27,500. R. E. Willems, Court House, engr.

**Ill., De Kalb**—June 22, by City Clerk, grading, curbing and 7 in. concrete surfacing 5,819 sq.yd. various streets. W. M. Hay, De Kalb, engr. Noted Jan. 1.

**Wis., Beloit**—June 22, by G. E. Heebink, city engr., improving various streets, 10,000 cu.yd. excav., 32,500 sq.yd. vertical fibre brick on 6 in. concrete, sheet asphalt on 6 in. concrete or one-course rein.-con. paving, etc. Former bids rejected. Noted May 7.

**Ia., Des Moines**—June 22, by A. E. McGlothlen, city clk., grading, curbing and asphaltic concrete, asbestophalt, Willite, sheet asphalt, Warrenite, concrete, Johnson method, brick or vibrolithic paving 6,450 sq.yd. Boulder, Southwest Pleasant, and Southwest 13th Sts. K. C. Kastberg, city engr.

**Ia., Iowa City**—June 26, by G. J. Dohrer, city clk., grading, curbing and asphalt or rein.-con. surfacing 13,200 sq.yd. Melrose Court, Brookland Park Dr., Woodlawn Ave., Bayard, Clark, Dearborn and other streets. F. E. Young, city engr. Noted June 4.

**Ia., Stanton**—June 30, by L. Peterson, town clk., 28,000 sq.yd. street and alley paving, 19,000 ft. curb and gutter, 2,500 ft. storm sewers, 9,000 sq.yd. reinforcing and 15,000 cu.yd. grading. DeLay & DeVoe, Creston, civil engrs. Noted May 21.

**Minnesota**—June 30, by State Hy. Dept., 1246 University Ave., St. Paul, **(S. P. means State Project and F. A. P. means Federal Aid Project)** concrete paving 120,000 sq.yd. S. P. 3-39, Sect. 1, F. A. P. 327, $280,000; grading 194,000 cu.yd. S. P. 1-44, Sect. 5, Div. B, F. A. P. 1, $40,000; gravel surfacing 26,000 cu.yd. S. P. 8-06, F. A. P. 278, $27,000; grading 114,000 cu.yd., and constructing Bridge 4366, 25 ft. long on S. P. 7-37, F. A. P. 369, $25,000, 81,000 cu.yd. and Bridge 4363, 50 ft. long, and Bridge 4364, 80 ft. long, Bridge 4365, 20 ft. long, on S. P. 7-38, F. A. P. 369, $30,000, 325,000 cu.yd. and constructing Bridge 4411, 35 ft. long, on S. P. long, on S. P. 7-39, Sect. 1, F. A. P. 367, $65,000, 420,000 cu.yd. and constructing Bridge 3948, 75 ft. long, Bridge 3949, 50 ft. long, Bridge 3950, 60 ft. long, Bridge 3951, 40 ft. long, Bridge 3952, 50 ft. long, Bridge 3993, 30 ft. long, Bridge 3994, 20 ft. long, Bridge 4437, 35 ft. long, and Bridge 4443, 30 ft. long, on S. P. 9-35, F. A. P. 312, $100,000. Eng. Dept. State Hy. Dept., St. Paul, engrs.

**Kan., Hiawatha**—June 22, by Black & Veatch, engrs., 700 Mutual Bldg., Kansas City, Mo., curbing, etc., and asphaltic surfacing 31,181 sq.yd. various streets, here, for City. Noted June 11.

**N. D., Grand Forks** — July 8, by City Clerk, paving 9 blocks various streets, $43,000. C. J. Evanson, city aud. Noted June 4.

**Missouri**—June 26, by State Hy. Dept., Jefferson City, grading, etc. 62,076 cu.yd. Lamar-Jasper Rd., Barton Co., 96,077 cu.yd. Stewartville-Cameron Rd., DeKalb Co., 10,564 cu.yd. Gallaway-Rogersville Rd., Greene Co., 9,722 cu.yd. road from Trenton south, Grundy Co.; 30 ft. grading, etc. 24,834 cu.yd. Phillipsburg-Lebanon Rd., 17,216 cu.yd. road from Conway, north and south, both in Laclede Co., 118,063 cu.yd. Calloo-Macon Rd., Macon Co., and 115,485 cu.yd. Ava-Gainesville Rd., Ozark Co.; 12 ft. gravel surfacing 7,040 cu.yd. Warrenton-Hopewell Rd., Warren Co.; 18 ft. gravel surfacing, etc. 5,999 cu.yd. Macks Creek-Lunas Rd., Camden Co.; 20 ft. gravel surfacing, etc. 83,007 cu.yd. Cuba-Steelville Rd., Crawford Co., 545 cu.yd. Gallaway-Rogersville Rd., Greene Co., 8,567 cu.yd. road from Union west, Franklin Co., 1,416 cu.yd. Loose Creek-Linn Rd., and 11,238 cu.yd. Linn-Mt. Sterling Rd., both in Osage Co., 2,473 cu.yd. road from Galena south, Stone Co.; 18 ft. concrete paving, etc. 47,932 sq.yd. Lamar-Jasper Rd., Barton Co., 101,460 sq.yd. Stewartsville-Cameron Rd., DeKalb Co., 21,126 sq.yd. Gallaway-Rogersville Rd., Greene Co., and 51,337 sq.yd. road from Trenton, south, Grundy Co. B. H. Piepmeier, ch. engr.

**Arkansas**—June 29, by State Hy. Dept., Little Rock, gravel surfacing 3.8 mi. Federal Aid Project 180-C, Craighead Co., and 3.9 mi. Federal Aid Project 213-A, Chicot Co.; grading, curbing, bridging and gravel surfacing 1.6 mi. Federal Aid Project 224-A, Ashley Co., 5.7 mi. Federal Aid Project 220-A, Craighead Co., 4.3 mi. Federal Aid Project 206-A, Arkansas Co., 2.03 mi. Federal Aid Project 214-A, Miller Co., incl. 37.49 acres clearing, 18.8 acres grubbing, etc., 5.4 mi. Federal Aid Project 201-B, Nevada Co., 12.59 acres clearing, 7.64 acres grubbing, etc., 2.6 mi. Federal Aid Project 222-A, Little River Co., 4.95 acres clearing, 2.2 acres grubbing, etc., all above 18 ft. wide. R. C. Limerick, highway engr.

**Tex., Wichita Falls** — July 6, by J. M. Isbell, engr., Wichita Falls, grading, bridging, bituminous brick on concrete, 1½ in. sheet asphalt on asphalt or concrete, or rein.-con. surfacing about 10 mi. Holiday-Park-Lake Rd., 18 ft. $200,000.

**Okla., Oklahoma**—See "Sewers."

**Colorado**—June 23, by State Hy. Dept., Denver, grading 1.8 mi. State Project 886, Clear Creek Co., $27,530; concrete paving, etc. 7.008 mi. Federal Aid 275-A, Douglas Co., $362,350. J. D. Blauvelt, State Office Bldg., engr.

**Wash., Longview** — June 23, by City Council, curbing, sidewalks and concrete paving L. I. D. 6, Highlands Addition. J. H. Davis, Longview, engr.

**Wash., Port Angeles**—July 2, by Comrs., Clallam Co., gravel surfacing 4.6 mi. Twin-Deep Creek Rd. F. Sullivan, Port Angeles, engr.

**California**—June 29, by State Hy. Comn., Sacramento, grading and widening 8.1 mi. road between Sunland and La Canada, Los Angeles Co. R. M. Morton, Forum Bldg., Sacramento, engr.

**California**—July 6, by State Hy. Comn., Sacramento, 10.8 mi. concrete paving and 2.3 mi. widening with concrete shoulders road between point 1½ mi. north of Oceanside and 2 mi. south of San Onofre, San Diego Co. R. M. Morton, Forum Bldg., Sacramento, state engr.

**Calif., Manteca**—See "Excavation, Drainage, Irrigation, Levees."

**Calif., South San Francisco**—July 6, by Supervs. San Mateo Co. (Redwood City), grading, curbing, sidewalks, 5 in. concrete paving 147,000 sq.ft. and 1½ in. asphaltic concrete surfacing 16,500 sq.ft. various alleys, here. G. A. Kneese, Courthouse, Redwood City, engr.

**Ont., Ingersoll**—June 24, by W. R. Smith, town clk., concrete or amiesite paving 19,000 sq.yd. various streets. $75,000. I. F. J. Ure & Sons, County Bldgs., Woodstock, engrs.

**Ont., Wentworth**—June 20, by H. A. Lumsden, engr., Courthouse, Hamilton, tar penetration paving highway from Stoney Creek, eastward, here, for Suburban Highways Comn. $40,000.

## BIDS RECEIVED

**New Hampshire**—State Hy. Comn., State House, Concord, June 4, bituminous macadam paving 1.53 mi. highway in Rindge, 5.03 mi. highway in Hinsdale, from A. D. Bridges, Hazardville, Conn., $36,590 and $64,659 respectively, 1.33 mi. in Westmoreland, from P. C. Ricci, Burlington, Vt., $38,237; gravel surfacing 0.9 mi. in Canaan, from Arbirio Road Constr. Co., 408 Main St., Hartford, Conn., $30,090, and 1.8 mi. in Chester, from T. Watkins, Amesbury, $22,487. Noted June 4.

**Mass., Boston**—Dept. Pub. Wks., sheet asphalt or bitulithic paving in Johnson Rd. and Houston St., West Roxbury, Leston St., Dorchester, also Ashley, Ellsworth, Brandeen and Metcalf Sts. in East Boston.

Streets and Roads (Continued)

from H. F. Malley, 174 Hillside Ave., Roxbury, $27,268.

**New York** — State Hy. Dept., Albany, June 5, **(e. e. means engineers estimate)** constructing and reconstructing 6.78 mi. Highway 8216, Coventryville-Bainbridge, Chenango Co., from O. P. Williams, Saratoga Springs, $392,882, e. e. $476,091; 3.51 mi. Highway 8215, Crittenden-Corfu, and Highway 1712, Corfu Village-Allegany St., Genesee Co., from Van Dusen Lumber Corp., Corning, $128,551, e. e. $161,323; 6.48 mi. Highway 9007, Duane Center-Mountain Rd., Franklin Co., from W. L. Lawton, Inc., Glens Falls, $69,310, e. e. $86,376; 7.22 mi. Highway 8217, Little Falls-Fort Plain, Parts 2 and 3, Montgomery Co., and 2 mi. Highway 5275, Pulaski-Sandy Creek, Oswego Co., from Johnson Constr. Co., 765 Abbott Rd., Buffalo, $307,304, e. e. $358,058, and $73,-051, e. e. $82,069 respectively; 1.91 mi. Highway 1713, Penn State Line-Portville, Cattaraugus Co., from F. W. Forness, Jr., Olean, $98,992, e. e. $124,335; 1.96 mi. Highway 1710, Penn State line-Wellsburg, Chemung Co., from Frost & Lowman, Watkins, $86,236, e. e. $110,499; 4.65 mi. Highway 573, Sea Breeze-Nine Mile Point, Monroe Co., from Dale Eng. Co., Mann Bldg., Utica, $152,257, e. e. $175,896; 2.89 mi. Highway 551, Fishkill-Hughsonville, Dutchess Co., from Immick Co., State St., Meriden, Conn., $133,396, e. e. $167,917; 2.67 mi. Highway 689, Spring Valley-Knapps Corners, and Highway 5504, Dykes Crossing, Rockland Co., from Vanbro Constr. Corp., 24 Elizabeth St., West New Brighton, $115,877, e. e. $143,305; 3.45 mi. Highway 8214, Red Creek-Southwest Oswego, Part 3, Cayuga and Oswego Counties, from Spellman-Oliver Co., Chateaugay, $143,349, e. e. $170,569; 4.66 mi. Highway 295, Mohawk River-Floyd, and Highway 560, Mohawk River-Rot e, Oneida Co., from H. W. Patterson, Hornell, $169,412, e. e. $214,634; 3.37 mi. Highway 1711, Aurora-Union Springs, Part 1, Cayuga Co., from Greene Constr. Co., Rochester, $149,209, e. e. $174,071; 1.01 mi. Highway 5705, Ellenville Village, Ulster Co., from J. H. McAllister, Lee, Mass., $66,292, e. e. $79,-337; 6.95 mi. Highway 5234-A, Liberty Co. line, Sullivan Co., from Fitzgerald Bros. Constr. Co., Inc., Proctor Bldg., Troy, $351,275, e. e. $409,082. Noted May 28.

**N. Y., Brooklyn**—J. A. Guider, boro pres., Boro Hall, June 10, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Bay Ridge Ave. $5,767, Bedford Ave. $27,384, Colonial Rd. $15,896, East 26th St. $10,766, New York Ave. $7,887, Ave. O $6,154, Rugby Rd. $16,389, 76th St. $12,056, from Uvalde Asphalt Paving Co., 1 Bway., New York City, Bedford Ave. $20,951, Liberty Ave. $9,494; from T. V. Scott, 671 Halsey St., grading, curbing, flagging, etc. 65th St. $11,285, and Elmore Pl. $1,043; from W. J. McHale Contg. Co., 1250 Jefferson St., bituminous macadam resurfacing East 26th St. $10,-373. Noted June 4.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., June 8, grading, sidewalks, etc. in Woodhaven Blvd. from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $203,171; granite block paving Woodhaven Blvd., from Welsh Contg. Co., 32 Queens St., Astoria, $29,129; grading and sheet asphalt paving Woodhaven Blvd., from W. P. MacDonald Constr. Co., 342 Madison Ave. New York City, $439,375 asphalt paving Woodhaven and Jamaica Bay Blvds., from Highway Impvt. & Repair Co., 50 Church St., New York City, $208,555 and $198,315 respectively. Noted June 4.

**N. Y., New York**—J. Miller, pres. Manhattan Boro, Municipal Bldg., June 11, granite block paving West and Attorney Sts., from J. Meehan & Son, 74 Cortlandt St., $259,387 and $11,672 respectively; sheet asphalt paving Mangin St. from Uvalde Asphalt Paving Co., 1 Bway., $33 997. Noted June 4.

**N. Y., St. George** — J. A. Lynch, pres. Richmond Boro, Boro Hall, June 11, concrete paving Victory Blvd., from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $16,630.

**N. Y., Troy**—Bitulithic paving 5,000 ft. Oakwood Ave., from Troy Paving Co., 418 Gay Bld. St., $112,625. Engrs. est. $150,000.

**Pennsylvania**—State Hy. Dept., Harrisburg, June 9, **(R. means Route and A. means Application)**, rein.-con. paving 3,938 ft. R. 70, from T. W. Munro & Co., Du Bois, $50,147, 24,489 ft. R. 187, Sect. 2-B, from F. F. Hallam & Son, Fairmont, W. Va., $254,362, 18,100 ft. R. 257, A. 3174, from Tillman Constr. Co., 115 Chamber of Commerce Bldg., Chicago, Ill., and Chester, W. Va., $170,978, all foregoing in Allegheny Co., 2,843 ft. R. 69 and 71, Armstrong Co., from F. S. Wilson, Kittanning, $51,088, 8,446 ft. R. 243, Sect. 3, Beaver Co., from Rinehart Bros., East Liverpool, O., $94,992, 2,791 ft. R. 53 and 260, Blair Co., from B. L. McKillip, Hollidaysburg, $35,790, 21,120 ft. R. 221, A. 3366, Clearfield Co., from J. Weisner, 372 Chestnut St., St. Marys, $168,120, 15,688 ft. R. 92, Sect. 1, Forest Co., from Milligan & Ringler, Blairsville, $151,445, 6,401 ft. R. 29, Mifflin Co., from J. B. Trexler, Lewistown, $85,541, 9,982 ft. R. 296, A. 1636 and 3009, Susquehanna Co., from Freeland Constr. Co., Amer. Bank Bldg., Hazelton, $127,988, 5,577 ft. R. 118, A. 2844, Washington Co., from J. F. Patterson, trading as Donora Constr. Co., Meldon Ave., near 1st St., Donora, $83,139, 8,950 ft. R. 118, Sect. 3, Westmoreland Co., from Edwards-Dunn Co., Inc., 202 Coulter Bldg., Greensburg, $86,573; vitr. brick paving 375 ft. A. 3275, Carbon Co., from Du Bois Constr. Co., Du Bois, $9,316. Noted June 4.

**New Jersey**—State Hy. Dept., Trenton, June 8, grading Route 9, Sect. 16, Bloomsbury cutoff, Warren and Hunterdon Counties, from Richards & Gaston, Somerville, $69,977; grading and concrete paving 22,-138 sq.yd. Route 16, Sect. 5A, Somerset Co., from Graham-Van Keuren, 70 Montgomery St., Jersey City, $110,507, 25,341 sq. yd. Route 20, Sect. 3, Gloucester Co., from C. T. Cavanaugh, 32nd St., Bayonne, $102,-754. Noted May 28.

**N. J., Clinton** — Freeholders Hunterdon Co. (Flemington), penetration macadam resurfacing 4.1 mi. Clinton-Pittstown Rd., from W. R. Thompson, Whitehouse Station, $28,615. Noted May 14.

**Delaware**—State Hy. Dept., Dover, May 27, grading and concrete paving 0.97 mi. Contr. CN 26, Valley Rd. Pennsylvania line, from Stewart & Donohue, 14th and Grand Sts., Wilmington, $52,675, and 0.64 mi. Contr. CK 27, through Woodside, from W. W. Truitt, Lincoln City, $17,610; improving 8.92 mi. Contr. 53, Five Points-Waples Mill, from Hannaman-Burroughs Co., Salisbury, Md., $294,478. Noted May 7.

**Maryland** — State Roads Comn., Baltimore, June 2, concrete paving 2.37 mi. Contr. P-56, Prince Georges Co., from Ward & O'Connell, New Amsterdam Bldg., Baltimore, $44,818.

**Md., Baltimore** — Bd. Awards, concrete paving 9,000 sq.yd. Contr. 287-OA, from F. D. Carrozza, Garrett Bldg., $25,009; asphalt paving 15,330 sq.yd. Contr. 286-OANA, from P. Flanigan & Sons, Hartford Rd. and Baltimore & Ohio R.R., $75,158. Noted May 28.

**Louisiana**—State Hy. Comn., Reymond Bldg., Baton Rouge, May 29, constructing 11.86 mi. Logansport-Gloster Highway, De Soto Parish, from J. J. Beeson, Fullerton, $45,616, Olla-Winnfield Highway, La Salle Parish from King & Brown, Columbia, $18,766, also 8.57 mi. Ollo-Jena Highway, La Salle Parish, and bridges over Turkey Creek, from Bunta & Mutersbaugh, Lake Charles, $46,486 and $16,642 respectively. Noted May 14.

**O., Brooklyn Heights** (mail Independence)—Paving 6,500 sq.yd. Broadale Ave., from Baldwin Bros., 4500 Euclid Ave., brick $40,862, asphalt $37,612.

**O., Cincinnati** — Hamilton Co., **(e. e. means engrs. est.)** grading and tar bound macadam paving 7,867 ft. Enyart Rd., from O. E. Radabaugh, Hazelwood, $23,182, e. e. $26,523; grading and bituminous macadam paving 16,900 ft. Given Rd. from J. L. Radabaugh, Montgomery Park, Montgomery, $54,050 e. e. $57,787, 9,510 ft. Brower Rd., from J. S. Slone, 2312 Mound Ave., Norwood, $30,288 e. e. $30,468, and 6,400 ft. Rapid Run Park, from J. S. Nickoson, Sayler Park Station, Cincinnati, $27,273, e. e. $27,994. Noted June 4.

**O., Marysville**—Union Co., improving 9 mi. Marysville-Bellefontaine Rd., from R. Dee, Defiance, $231,115. Engrs. est. $275,000.

**Ill., Belleville**—Grading, curbing and concrete surfacing McClintock Ave. Paving Dist., from Midwest Eng. Co., Mt. Vernon, $67,546. Engrs. est. $80,000. Noted Mar. 26.

**Wisconsin**—State Hy. Comn., Madison, from Stevens Bros., 15 Piedmont Bldg., St. Paul, Minn., improving Spring Green-Wauzeka-Prairie du Chien Rd., Federal Aid Project 416-A, Crawford Co., 47,239 cu.yd. earth excav. at $0.35 per cu.yd., 2,994 cu.yd. loose rock excav. $0.75, 613 cu.yd. solid rock excav. $1.75, 23,440 cu.yd. borrow $0.35, etc., total $63,266.

**Wis., Milwaukee**—Dept. Pub. Wks., June 8, sheet asphalt resurfacing Marietta and National Aves., from White Constr. Co., 68 Wisconsin St., $9,180 and $9,934 respectively; Prospect Ave., from Badger Constr. Co., 97 Wisconsin Ave., $40,535. Noted June 4.

**Missouri** — State Hy. Dept., Jefferson City, June 5, 18 ft. concrete paving 10.815 mi. New Florence-Warren Co. Line Rd., Montgomery Co., from L. Rich Constr. Co., Harrisburg, Ill., $107,208; 9 ft. concrete paving 4.951 mi. King City-Clarksdale Rd., De Kalb Co., from Metropolitan Paving Co., 115 North 5th St., St. Joseph, $32,417; grading 4.951 mi. King City-Clarksdale Rd., De Kalb Co., from List & Hallet Constr. Co., Kansas City, $15,620; grading and 16 ft. gravel surfacing 4.944 mi. King City-Clarksdale Rd., De Kalb Co., from Western Asphalt Paving Co., 1st and Nebraska Sts., Sioux City, Ia., $16,885; 9 ft. and 18 ft. concrete paving 4.944 mi. King City-Clarksdale Rd., De Kalb Co., from C. H. Atkinson Paving Co., Watertown, S. D., $34,446; 18 ft. chat surfacing 3.758 mi. road from Nevada east, Vernon Co., from Graham Bros., Leeds, $36,429; 18 ft. concrete paving 9.28 mi. Portageville-Kansas Rd., Pemiscot Co., from J. R. Feigel Co., 1608 Gum St., Evansville, Ind., $132,451; 12.923 mi. Portageville-Arkansas Rd., Pemiscot Co., from H. H. Hall Constr. Co., Murphy Bldg., East St. Louis, Ill., $241,412; grading 10.183 mi. Portageville-Arkansas Rd., Pemiscot Co., from A. A. Davis & Co., and Johnson Bros., Grain Exch. Bldg., Oklahoma City, Okla., $35,329; grading 17.68 mi. and 18 ft. concrete paving 4.801 mi. Portageville-Arkansas Rd., Pemiscot Co., from Rouse Constr. Co., Cape Girardeau, $235,959; grading 7.312 mi. Richmond-Missouri River Rd., Ray Co., from A. L. Cosby, Leeds, $5,842; 18 ft. concrete paving 7.312 mi. Richmond-Missouri River Rd., Ray Co., from Richmond Constr. Co., Richmond, $39,132; grading 10.215 mi. New Florence-Warren Co. Rd., Montgomery Co., from Pope Constr. Co., Jefferson City, $30,-457. Noted May 28.

**Arkansas**—State Hy. Dept., Little Rock, May 29, improving 11.2 mi. Federal Aid Project 202-A, 18 ft., 63,439 cu.yd. excav., 0.96 acres clearing and grubbing, 21,421 cu. yd. gravel 0.6 mi. haul, 164 ft. 12- to 24-in. vitr. pipe, etc., from E. L. Terry & Co., Wilburton, Okla., $40,503.

**Arkansas**—State Hy. Dept., Little Rock, May 29, grading, gravel surfacing, etc. 6.25 mi. Federal Aid Project 216-A, 18 ft., from C. Pinckney, Ft. Smith, corrugated metal pipe $38,505, or rein.-con. pipe for culverts $38,585. Noted May 21.

**Ark., Batesville** — Grading, curbing and sheet asphalt surfacing 76,000 sq.yd. various streets in Dist. 4, from Kearney Constr. Co., Memphis, Tenn., $235,277. Engrs. est. $247,000.

**Tex., Huntsville**—Walker Co., May 29, grading, bridging, etc., 15.57 mi. State Highway 19, Federal Aid Project 46-B, 18 ft., from Reynolds & Sutton, Tyler, $56,000. Noted May 7.

**Colo., Denver**—From W. F. Pigg & Son, Commonwealth Bldg., concrete paving 12 blocks Alley Paving Dist. 129 $21,338, 12 blocks Dist. 128 $21,730, 12 blocks Dist. 127 $22,325; from J. Everett Youngs Constr. Serv., Tramway Bldg., 12 blocks Dist. 126 $23,322, 12 blocks Dist. 125 $20,-404, and 12 blocks Dist. 124 $19,477.

## CONTRACTS AWARDED

**New Hampshire**—State Hy. Comn., State House, Concord, graveling 0.76 mi. highway in Randolph and 0.83 mi. in Colebrook, to T. Melloy, Gorham, $13,555 and $15,296 respectively, 0.71 mi. highway in Newbury, to Peckman Road Corp., Farmington, $8,387; rein.-con. surfacing 1.63 mi. highway in Concord, to Winslow & Cummings, Nashua, $52,280. Grand total $89,512. Noted June 11.

**New Hampshire** — F. E. Everett, comr. State Hy. Comn., Concord, bituminous macadam paving 0.57 mi. highway in Dorchester, to Robie Constr. Co., 1037 Elm St., Manchester, $12,811, and 0.8 mi. in Bethlehem, to O. W. Fernald, Berlin, $12,328; modified asphalt paving 1.87 mi. highway in Boscawen, to A. D. Bridges Sons, Hazardville, Conn., $23,706. Grand total $48,845. Noted May 28.

**Massachusetts**—Dept. Pub. Wks., Boston, bituminous macadam surfacing 2,900 ft. highway in Barre, and 2,900 ft. highway in New Braintree, to J. Lorenzie, Leominster, $16,977 and $13,351 respectively, 8,200 ft. highway in Billerica, to Greenough Constr. Co., South Acton, $59,973; 5,150 ft. highway in Dedham, to Reynolds Bros., Inc., 179 Summer St., Boston, $29,579; bituminous concrete surfacing 16,720 ft. highway in Barnstable, to Lane Constr. Corp., Meriden, Conn., $64,200; widening with borrow 12,196 ft. highway in city of Revere and town of Saugus, to M. McDonough Co., Swampscott, $38,560. Grand total $222,640. Noted June 4.

**Mass., Medford** — Surfacing Middlesex Fells Parkway, from Wellington Bridge to Riverside Ave., to Rowe Contg. Co., 1215 Center St., Jamaica Plain, $20,143, engrs. est. $25,000; Middlesex Fells Parkway, Westerly Roadway Sect., to J. H. Fannon, 28 Hinckley St., Somerville, $21,850, engrs. est. $25,000. Grand total $41,993. Noted June 11.

Streets and Roads (Continued)

**N. Y., Schenectady** — Grading, curbing, paving and sidewalks on Erie Blvd., to Kellam & Shaffer Co., Schenectady, $129,552. Engrs. est. $150,000.

**Pennsylvania**—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, to H. W. Horst Co., Rock Island, Ill., improving R. 199, Sect. 1 Schuylkill Co., 103,396 sq.yd. and 38,830 sq.yd. rein.-con. $3.15 and $3.30 per sq.yd. respectively, 56,005 cu.yd. unclassified excav. $1.68 per cu.yd., total $652,037; to General Paving Co., Allentown, A. 3283, Carbon Co., 40,385 sq.yd. rein.-con. $2.85 per sq.yd., 5,092 cu.yd. unclassified excav. $1.25, total $155,411; to M. Staub, Pitman, N. J., A. 3218, Berks Co., 40,000 sq.yd. rein.-con. $3.02, 15,328 cu.yd. unclassified excav. $1.15, 15,580 cu.yd. borrow excav. $1.20, total $190,250; to Blue Ridge Constr. Co., Inc., Uniontown, R. 325, Sect. 5, Washington Co., 35,100 sq.yd. rein.-con. $3.25, 10,330 cu.yd. unclassified excav. $1, total $150,727; to Rudolph & Delano, Tamaqua, R. 141, Schuylkill Co., 30,002 sq.yd. rein.-con. $3.12, 3,784 cu.yd. unclassified excav. $0.95, 2,688 cu.yd. borrow excav. $0.95, total $121,105; to J. C. Devine, Alliance, O., R. 294, A. 3293, Crawford Co., 21,575 sq.yd. rein.-con. $3, 35,327 cu.yd. unclassified excav. $1, 440 cu.yd. borrow excav. $1, total $134,519; to Indiana Constr. Co., Indiana, R. 63, A. 3127, Jefferson Co., 18,798 sq.yd. rein.-con. $3.46, 5,484 cu.yd. unclassified excav. $1.40, total $84,740; to C. H. Fry Constr. Co., Erie, R. 274, A. 3047, Erie Co., 48,564 sq. yd. rein.-con. $3.28, 53,000 cu.yd. unclassified excav. $1, total $276,073. Grand total $1,764,862. Noted May 14 and 28.

**Pa., Mt. Carmel** — Shamokin and Mt. Carmel Transit Co., concrete road, to Gannett, Seelye & Fleming Engrs., Inc., 1 North Market Sq., Harrisburg.

**Pa., Pittsburgh** — Repaving East Carson St., to T. Cronin Co., South 18th St., S. S. $61,320, engrs. est. $65,000; Prible Ave., to Dunn & Ryan Contr. Co., Keystone Bldg., $36,445, engrs. est. $31,000. Noted Mar. 12.

**Pa., Turtle Creek** (mail Pittsburgh)—Allegheny Co. (Pittsburgh) paving Lincoln Highway Bridge, here, to McManus & Potter, Wabash Bldg., $36,719. Engrs. est. $40,000.

**Maryland** — State Roads Comn., Baltimore, graveling 2.25 mi. Contr. CH-33, and 2.91 mi. Contr. CH-35, both Charles Co., to H. S. Swann, La Plata, $27,547 and $17,-296 respectively; concrete paving 1.49 mi. Contr. Q-34, Queen Annes Co., to Highway Eng. & Contg. Co., Selbyville, Del., $34,849, and 2 mi. Contr. HO-45, Howard Co., to Ward & O'Connell, New Amsterdam Bldg., Baltimore, $67,575. Grand total $147,267.

**Maryland**—State Hy. Dept., Baltimore, concrete paving 1.5 mi. Contr. B-75, Baltimore Co., to H. D. Campbell & Sons Co., Towson, $44,721.

**Maryland** — State Hy. Dept. Baltimore, sheet asphalt paving 0.76 mi. Contr. BC-56, Baltimore Co., to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., Baltimore, $59,658; concrete paving 1 mi. Contr. S-23, Somerset Co., to Hannemann-Burroughs Co., Salisbury, $24,250; 2.37 mi. Contr. P-56, Prince Georges Co., to Ward & O'Connell, New Amsterdam Bldg., Baltimore, $44,818.

**Md., Baltimore**—Bd. Awards, sheet asphalt paving 11,370 sq.yd. Contr. 285-OCNA, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $54,428.

**Md., Towson**—Comrs. Baltimore Co., concrete paving 2.5 mi. Group 11, Dover Rd. and Worthington Ave., also Top Dark Hollow Hill and Dover Rd., to P. Reddington & Sons, 2 East Lexington St., Baltimore, $75,184.

**W. Va., Fayetteville** — Fayette Co., asphalt surfacing Kincaid-Kingston Rd., to W. McCormick, Salem, $96,495. Noted Apr. 23.

**W. Va., Spencer** — R. L. McCulty, clk. Roane Co., grading, etc., 17 mi. Smithfield Dist. Rd., to J. M. Cain & Co., Huntington, $145,340. Noted May 28.

**S. C., Winnsboro**—Fairfield Co., topsoiling 11.6 mi. State Project 553, to J. F. Blakenship, Greenwood, $43,310; 3.5 mi. State Route 22, Federal Aid Project 265, to J. L. Carroll, Columbia, $34,534.

**Florida** — State Rd. Dept., Tallahassee, clearing, grubbing, grading, etc. 10.18 mi. Project 642, Putnam Co., to B. Booth & Co., Green Cove Springs, $60,764. Noted June 11.

**Alabama**—State Hy. Comn., Montgomery, **(e. e. means engineers estimate)**, gravel surfacing 10.06 mi. Carrollton-Aliceville Rd., 18 ft., Pickens Co., to Finnell & Toothaker, Tuscaloosa, $103,689 e. e. $104,-000, 6 mi. Union Springs-Ft. Davis Rd., 18 ft., Bullock Co., to Clay Andrews Co., Americus, Ga., $88,413 e. e. $88,500, 5 mi. Moulton Rd., 18 ft., Lawrence Co., to J. W. Gwin, Hamilton Station, Birmingham, $33,-000 e. e. $33,000; sand clay surfacing 10.75 mi. Dothan-Hartford Rd., 18 ft., Houston and Geneva Counties, to J. E. Speight, Florala, $113,397 e. e. $114,000. Grand total $338,499. Noted May 21.

**Ala., Birmingham** — City **(e. e. means engrs. est)**, to Federal Asphalt Paving Co., Empire Bldg., asphalt surfacing 6 blocks Bush Blvd., 60 ft., $36,732 e. e. $37,000, 3 blocks 5th Ave. N, 40 ft., $19,742 e. e. $20,000, 5 blocks 1st Ave., 40 ft., $23,196 e. e. $23,200, 2 blocks street not named, 40 ft., $13,170 e. e. $13,200; to C. F. Browne, Amer. Trust Bldg., sidewalks and gutters on above streets, $9,162. Grand total $102,002.

**Miss., Lauderdale**—Meridian Co., grading, hardsurfacing, etc., 5.894 mi. Causeyville Rd., 18 ft., to Pilkinton Bros., Artesia, $30,262.

**Miss., Pass Christian** — Mayor and Bd. Aldermen, asphalt bitulithic surfacing 17,-000 sq.yd. 2nd St., to Southern Paving Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $24,480. Noted Feb. 26.

**La., Baton Rouge**—Grading, curbing and hardsurfacing 42 streets to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, N. C., $439,894. Noted June 4.

**La., Shreveport**—Grading, curbing, guttering and concrete paving 1,400 sq.yd. Clay St. to E. J. Deas Constr. Co., Shreveport, $4 611; asphaltic concrete paving, etc. 2,008 sq.yd. Carrie Bell Ave., and Uvalde rock asphalt paving, etc. 1,700 sq.yd. Taylor St., to Flenniken Constr. Co., Cahn Bldg., $6,996 and $6,253 respectively; Queens and Kings Highways to Claiborne Ave., etc., by day labor.

**Tenn., Nashville**—City will oil and grade Ligon Lane from Meridian St. to Lischey Ave.; macadam surface West Hill St. from 28th to 37th Aves. and 28th Ave. from Jefferson to Clifton Aves., by day labor. To exceed $25,000. W. W. Southgate, city engr.

**Ohio**—Dept. Highways & Pub. Wks., Columbus, to Laubis Stone Co., Kenton, grading, bridging and paving 2.358 mi. Sect. "K" Painesville-Warren Rd., Ashtabula Co., bituminous macadam, asphalt, $40,542; to J. M. Snouffer, Columbus, 0.301 mi. Sect. "Dublin" Columbus-Marysville Rd., Franklin Co., Kentucky rock asphalt, $11,512; to R. Doaust, Defiance, 5.528 mi. Sect. "L" Toledo-Angola Rd., Fulton Co., rein.-con., $146,889; 4.504 mi. Sect. "D" Marysville-Bellefontaine Rd., Union Co., rein.-con., incl. stone, $121,572, and 4.411 mi. Sect. "E" same road $109,542; to Lynn Constr. Co., Paulding, 4.065 mi. Sect. "F" Delaware-Newark Rd., Licking Co., concrete, $101,-100; to Little & Fisher, Dayton, 0.552 mi. Sect. "Taylorville Dam" National Rd., Montgomery Co., concrete $25,446, and 3.08 mi. Sect. "P" same road, $93,501; to Putnam Constr. Co., Toledo, Sect. "A" Van Wert-Ottawa Rd., Van Wert Co., bituminous macadam tar, $56,224; to Neff & Bader, Circleville, 0.975 mi. Sect. "Beebles" West Union-Bainbridge Rd., Adams Co., bituminous macadam, asphalt $25,530; to J. M. Day & Co., Russellville, 0.581 mi. Sect. "Russellville" Cincinnati-West Union Rd., Brown Co., bituminous macadam asphalt, $12,672; to Buckeye Constr. Co., Fostoria, 2.277 mi. Sect. "C-1" Delaware-Newark Rd., Delaware Co., bituminous macadam, tar, $50,051; to Nugent & Riedman Bros., Harrison, 4.478 mi. Sect. "A" Dunla-Springdale Rd., Hamilton Co., concrete $174,744. Grand total $969,325. Noted May 14.

**O., Alliance**—Asphalt on rein.-con. paving East Bway. and sheet asphalt paving Milton St., to C. Biery, Alliance, $24,514 and $67,814 respectively. Engrs. est. $30,-000 and $75,000 respectively. Noted Dec. 11.

**O., Lakewood** (Cleveland P. O.) — Asphaltic concrete paving Athens Ave., to Cleveland Trinidad Paving Co., The Arcade, $46,854; Margaret Ave., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $12,905. Noted Apr. 9.

**O., Marion**—Marion Co., improving Prospect-Delaware Rd., to L. L. Allen, Marion, $25,701. Engrs. est. $33,660.

**O., Steubenville**—Concrete paving Water and State Sts., to Floto Bros. Constr. Co., Steubenville, $27,285.

**Michigan** — State Hy. Dept. at office Comrs. Washtenaw Co., Ann Arbor concrete paving 2.153 mi. State Trunk Line Rd. 23-13 A, and 1.189 mi. State Trunk Line 23-13 B, by day labor. A. R. Bailey, Ann Arbor, engr.

**Michigan**—State Hy. Dept., Lansing, will pave 3.99 mi. Federal Aid Project 146-B, Ingham Co., $131,513; pave with concrete 1,755 mi. Federal Aid Project 95-F, Lenawee Co. $45,830, 0.246 mi. Federal Aid Project 95-E, Lenawee Co. $9,177, and 13.953 mi. Federal Aid Project 95-D, Lenawee and Washtenaw Counties, $457,792, all by day labor. A. R. Bailey, Ann Arbor, engr for latter 3 projects.

**Michigan**—State Hy. Dept., Lansing, concrete paving 3.106 mi. Federal Aid Project 53-13 B, Macomb Co., 40 ft., to T. E. Currie, 20 McGraw Bldg., Detroit, $227,112.

**Mich., Detroit**—To M. R. Hanna Co., 2700 Six Mile Rd., paving 8,247 sq.yd. Dist. 61, Hartwell Ave., incl. 1,155 ft. 12 in. sewer, $28,911, 7,150 sq.yd. Dist. 67, Jonathan Ave., incl. 1,200 ft. 12 in. sewer, $25,852, 5,180 sq.yd. Dist. 70, Lois Ave., incl. 815 ft. 12 in. sewer, $18,570, 8,078 sq.yd. Dist. 71, Maple Rd., incl. 782 ft. 12 in. sewer $25,932, 8,043 sq.yd. Dist. 62, Appoline Ave., incl. 340 ft. 12 in. sewer $26,881; to United Road Constr. Co., Union Trust Bldg., 2,648 sq.yd. Dist. 63, Kingsley Ave., incl. 340 ft. 12 in. sewer $9,581, 2,564 sq.yd. Dist. 64, Emanon Ave., incl. 200 ft. 12 in. sewer $8,649, 1,828 sq.yd. Dist. 65, Castle Ave., incl. 145 ft. 12 in. sewer $6,825; to White Constr. Co., 130 North Wells St., Chicago, Ill., 9,715 sq.yd. Dist. 68, Argyle St., incl. 1,428 ft. 12 in. sewer $34,170, 9,661 ft. Dist. 69, Middlesex Ave., incl. 1,400 ft. 12 in. sewer $34,871, 6,226 sq.yd. Dist. 73, Williamson St., incl. 960 ft. 12 in. sewer $34,-467; to R. A. Mercier, 5435 Wesson Ave., 3,825 sq.yd. Dist. 72, Lawson Ave. $13,523, 7,929 sq.yd. Dist. 54, Pinehurst Ave. $27,-447, 1,349 sq.yd. Dist. 55, Gertrum Ave. $4,722, 11,685 sq.yd. Dist. 56, Morrow Circle $40,062, 5,670 sq.yd. Dist. 59, Bingham Ave. $20,366, 7,933 sq.yd. Dist. 60, Reuter Ave. $28,738.

**Mich., Detroit**—To C. L. Lincoln, 12337 Indiana Ave., grading and one course concrete paving 2,045 sq.yd. Alley 2261 $4,851, to Bishop & Weir, 1305 Lafayette Bldg., 1,525 sq.yd. Alley 2262 $3,683, 1,350 sq.yd. Alley 2263 $3,393; to J. T. Ladue, 915 Longfellow Ave., 1,350 sq.yd. Alley 2264 $3,279, 1,805 sq.yd. Alley 2271 $4,477; to McKenna Trucking Co., Detroit, 1,185 sq.yd. Alley 2265, $2,930, 1,065 sq.yd. Alley 2267 $2,506; to R. J. Powelson Co., 6415 Iroquois Ave., 1,070 sq.yd. Alley 2266 $2,681, 1,230 sq.yd. Alley 2272 $2,946, 1,210 sq.yd. Alley 2273 $2,882; to C. W. Shephard Co., 4220 Maxwell Ave., 675 sq.yd. Alley 2268 $1,739; to Otis Cement Constr. Co., 806 Hammond Bldg., 525 sq.yd. Alley 2269 $1,346.

**Mich., Marshall**—Paving 0.8 mi. various streets, 35 ft., to E. Couzens, Petoskey, $45,000.

**Mich., Pontiac** — Oakland Co., concrete paving 6.2 mi. Bloomfield Twp. Rd., to Bartting & Dull, Pontiac, $288,000; 5 mi. Maple Rd. and 7.1 mi. Clawson Rd., to R. D. Baker, 1454 Penobscot Bldg., Detroit, $212,000 and $250,000 respectively.

**Illinois**—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete surfacing 3.35 mi. Route 2, Sect. 36, McDonough Co., to Cameron, Joyce & Co., Keokuk, Ia., $66,960, 4.12 mi. Route 9, Sect. 39, Fulton Co., to Jansen & Schaefer, 212 North Cap St., Pekin, $125,497, 1.55 mi. Route 27, Sect. 18, Ogle Co., to C. E. Carson, 601 St. Clair St., Chicago, $51,051, 5.76 mi. Route 33, Sect. 7, Effingham Co., to C. J. Moritz, Inc., Effingham, $108,886, 11.86 mi. Route 41, Sect. 14, Knox Co., to Central Eng. Co., Putnam Bldg., Davenport, Ia., $303,143, 4.97 mi. Route 31, Sect. 16, Fulton Co., and 7.18 mi. Route 45, Sect. 1, La Salle Co., to Keokuk Quarry & Constr. Co., Keokuk, Ia., $89,881 and $127,435 respectively, 0.31 mi. Route 22, Sect. G-2, and 0.81 mi. Route 22, Sect. 14-W, both Will Co., to Powers Thompson Constr. Co., Joliet, $3,047 and $7,535 respectively; grading 0.39 mi. Route 8, Sect. 20-A, Iroquois Co., to Shanks & Gannon Constr. Co., Watseka, $1,807. Grand total $885,242. Noted Feb. 26 and Apr. 2.

**Ill., Blue Island**—Grading, curbing, concrete surfacing, etc. 16,000 sq.yd. various streets, to J. A. Sackley Co., 1621 Armitage Ave., Chicago, $65,256. Noted May 21.

**Ill., East St. Louis**—Grading, curbing and asphaltic concrete surfacing 7,608 sq.yd. Gray Blvd. from State to Illinois Sts., to Concord Constr. Co., Josephine Bldg., $20,-700. Noted May 7.

**Ill., Edwardsville** — Grading, curbing, paving, etc. Myrtle Ave., to Edward Constr. Co., Edwardsville, $25,616; and paving Columbia Ave. Dist., to G. R. Hyten, Edwardsville, $3,517. Noted Feb. 26.

**Ill., McHenry** — Concrete surfacing, etc. 6,842 sq.yd. Elm St., to McGucken & Vander Heyden Co., 314 Fowler St., Milwaukee, Wis., $25,165. Noted May 21.

**Wisconsin** — Division Office 3, Nicolet Bldg., Green Bay, to Pepard-Burrill & Lynch, Minneapolis, Minn., improving Manitowoc-Sheboygan Rd., Federal Aid

Streets and Roads (Continued)

Project 420-A, Manitowoc Co., 37,773 cu. yd. earth excav. at $0.56 per cu.yd., 383 cu. yd. surface and 528 cu.yd. loose rock excav. $1.50 each, 456 cu.yd. solid rock excav. $3, 3,282 cu.yd. borrow $0.60, 800 cu.yd. channel change $0.60, 83,969 sq.yd. concrete surfacing $1.13, etc., total $150,561. Noted May 28.

**Wisconsin** — Office 5, Batavian Natl. Bank Bldg., La Crosse, to A. Larson Co., Eau Claire, improving Black River Falls-Augusta-Eau Claire Rd., Federal Aid Project 395-A, Sects. 1 and 2, Jackson Co., 9.34 acres clearing at $50 per acre, 10.97 acres grubbing $50, 85,240 cu.yd. earth Excav. $0.34, 905 cu.yd. loose rock excav. $0.75, 17,490 cu.yd. solid rock excav. $1.20, 8,481 cu.yd. borrow, $0.34, 160 cu.yd. channel change $0.40, 880 cu.yd. shale $0.80, 1,902 cu.yd. gravel surfacing, etc., $2.50, total $118,321; to Garnock Constr. Co., Eau Claire, grading and concrete surfacing 15,403 sq.yd. Winona-Marshland Rd., Federal Aid Projects 340-A and 87, Buffalo Co., at $1.55 per sq.yd., total $36,043. Noted May 28.

**Wis., Appleton**—E. L. Williams, city clk., to Simpson-Parker Co., 318 East Franklin St., rein.-con. paving Cherry St. $29,337, Richmond St. $44,822, to Koepke Bros., College Ave., State St. $2,798, and Durkee St. $606; to White Constr. Co., 68 Wisconsin St., Milwaukee, Warrenite bitulithic concrete paving Lowe St. $51,469, Meade St. $7,989, John St. $3,442 Bateman St. $4,423; to Garvey & Weyenberg Constr. Co., 107 West College Ave., vertical fibre brick paving Drew St. $6,343. Grand total $151,228. Noted May 14.

**Wis., Fond du Lac**—G. Trelevan, comr. Fond du Lac Co., concrete surfacing etc. New Cassell-Dundee Rd., to L. E. Nebel Co., Sturgeon Bay, $32,449; grading and concrete surfacing, etc. 7,950 sq.yd. Marytown-St. Cloud Rd. (St. Cloud Village), to Koepke Bros., Odd Fellows Bldg., Appleton, $12,570, and 32,900 sq.yd. New Cassell-Campbellsport Rd. (Campbellsport), to F. D. Hayes, Blk., Janesville, $58,944. Noted May 21.

**Minnesota** — State Hy. Dept., 1246 University Ave., St. Paul, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, to Hanlon & Okes, 1401 Merchants Natl. Bank Bldg., St. Paul, grading and concrete paving 54,000 sq.yd. S. P. 1-38, Div. A, F. A. P. 268, $128,779, concrete paving 86,400 sq.yd. S. P. 1-39, F. A. P. 296, $204,271, 21,500 sq.yd. S. P. 1-46 at Faribault, $48,443, to Welsh Paving Corp., 703 1st Natl. Soo Line Bldg., Minneapolis, 66,400 sq.yd. S. P. 1-40 at Fairbault $154,005, to Grant Smith & Co., 1514 Pioneer Bldg., St. Paul, 123,300 sq.yd. S. P. 3-31, F. A. P. 283 $286,820, to W. A. Patterson & Ganley Bros, 900 Globe Bldg., 49,700 sq.yd. S. P. 336, F. A. P. 307, $116,149, to Fielding & Shepley, 216 University Ave., St. Paul, 58,000 sq.yd. S. P. 50-23, F. A. P. 306, $135,965; to Stanley Bros., St. Cloud, 240,000 cu.yd. excav. and Bridge 4378, 136 ft. long, on S. P. 6-40, Sect. 1, F. A. P. 349, $53,897; to Larson Constr. Co., Albert Lee, vibrolithic concrete paving 8,770 sq.yd. S. P. 1-49, $21,659. Grand total $1,149,988. Noted May 28.

**Minn., St. Paul** — H. W. Austin, city purch. agt., improving West 7th St. from Albion St.-Ft. Snelling bridge approach, etc., 27,434 sq.yd. sheet asphalt on 6 in. concrete, 2,163 sq.yd. sheet asphalt on 6 in. rein.-con., 9,562 sq.yd. sheet asphalt on 7 in. rein.-con. paving, 16,763 lin.ft. concrete curbing, etc., to Feyon Constr. Co., 277 Burgess St., oil asphalt $138,660; also improving Edgecombe Rd. from Randolph to Scheffer Sts., 7,606 lin.ft. curbing, 10,364 sq.yd. sheet asphalt and 725 sq.yd. brick paving, etc., to Hanlon & Okes, 1501 Merchants Bank Bldg., oil asphalt $43,986. Noted May 7.

**Minn., Warren** — A. G. Lundgren, aud. Marshall Co., **(S. A. R. means State Aid Road)** grading 81,260 cu.yd. Job 2501, S. A. R. H, to Benson Bros., Stephen, $14,949; 78,258 cu.yd. Job 2505, S. A. R. E, to Schenkey & Moen, Middle River, $19,333; 39,899 cu.yd. Job 2506, S. A. R. M, to Johnson & Son, Middle River, $6,483; 48,024 cu.yd. Job 2503, S. A. R. C, to Lorentson & Hallstrom, Wylie, $10,118. Grand total $50,883. Noted May 7.

**Kan., Hutchinson**—Grading, curbing and asphaltic concrete surfacing 8th Ave. from Plum to Pershing Sts., to Stamey-Mackey Constr. Co., Hutchinson, $20,882; and Shadduck Dr. from 2nd Ave. to city limits, to J. H. Shears & Sons, Hutchinson, $10,592. Noted May 14.

**Nebraska**—R. L. Cochran, highway engr., Lincoln, **(F. A. P. means Federal Aid Project)**, to P. C. Baker, Morrill, gravel surfacing 19.5 mi. F. A. P. 7-A, Nuckolls Co. $36,095, to Allied Constr. Co., 1803 Douglas St., Omaha, 18.4 mi. F. A. P. 7-B, Clay Co. $37,197, 1.1 mi. F. A. P. 210, Nuckolls Co. $2,933, 7.5 mi. F. A. P. 60-A, Howard Co. $14,852, to Lynch & Rinehart, Tourin, Ia., 12.2 mi. F. A. P. 23, Burt Co. $29,450, to Yant Constr. Co., Omaha Natl. Bank Bldg., Omaha, 15.9 mi. Plattsmouth-South Rd., F. A. P. 28, Cass Co. $39,323, 8.5 mi. Crete-Dorchester Rd., F. A. P. 98-C, Saline Co. $24,341, 2.3 mi. Seward-East Rd. F. A. P. 128-A, Seward Co. $6,450, 6 mi. Milford-Seward Rd., F. A. P. 226, Seward Co. $16,979, to Stevens Bros., 15 Piedmont Bldg., St. Paul, Minn., 8.3 mi. Ayr-Blue Hill Rd., F. A. P. 32, Adams and Webster Companies $19,814, 1r2 mi. Hastings-Ayr Rd., F. A. P. 77, Adams Co. $18,232, 8.4 mi. Dunbar-Syracuse Rd., F. A. P. 133-A, Otoe Co. $29,400, 4.2 mi. road from Madrid east and west, F. A. P. 121-A Perkins Co., $9,450, to A. A. Dobson, 809 1st Natl. Bank Bldg., Lincoln, 3.7 mi. West Point-South Rd., F. A. P. 88-A, $9,200, 2.4 mi. same road, F. A. P. 88-C $6,202, both in Cuming Co., 3.3 mi. Blair-Desoto Rd., F. A. P. 91-A, $8,170, 1.7 mi. Ft. Calhoun-South Rd., F. A. P. 91-B $4,014, 2.8 mi. same road, F. A. P. 91-C $6,631, all foregoing in Washington Co., to Koehler Lumber & Coal Co., Sterling, 12.5 mi. Fairmont-Sutton Rd., F. A. P. 171-A, Fillmore Co. $37,345, concrete paving 8.3 mi. Wymore-South Rd., F. A. P. 250-A, Gage Co., $2,185; to Central Contractors, Central City, gravel surfacing 3 mi. Harvard-East Rd., F. A. P. 182-A, Clay Co. $9,027, 5.9 mi. Holdrege-Loomis Rd., F. A. P. 251-A, Phelps Co., $12,192, to Norfolk Bridge Co., Norfolk, 6 mi. South Co. Line Rd., F. A. P. 5 $15,306, culverts, 5.2 mi. Meadow Creek Tilden Rd., F. A. P. 139-I, $2,732, both Madison Co., to Western Bridge Co., 748 Peters Trust Bldg., Omaha, gravel surfacing 6.5 mi. Benkelman-Doane Rd., F. A. P. 41, Dundy Co. $13,972, 11.3 mi. Stanton-Pilger Rd., F. A. P. 70-A, Stanton Co. $29,631, 11 mi. Wayne-South Co.-Line Rd., F. A. P. 70-B, Wayne Co. $35,291, 7.8 mi. Kearney-North Rd., F. A. P. 73, Buffalo Co. $27,225, 13.4 mi. North Loup-Ord Rd., F. A. P. 85-A, Valley Co. $40,240, 8.6 mi. Stanton-Norfolk Rd., F. A. P. 87-B, Stanton Co. $28,783, 9.4 mi. Battle Creek-Meadow Rd., F. A. P. 139-H, Madison Co. $25,682, 1.3 mi. Megeath-West Co. line Rd., F. A. P. 224-B, Keith Co. $2,189, improving 12.1 mi. Orleans-Oxford Rd., F. A. P. 240-A, Harlan Co., 762 ft. 18- to 48-in. culverts $7,575, 6,904 ft. guard rail $2,727, 370 sq. yd. paving $999, 2 bridges $9,223, improving 8.5 mi. Ainsworth-North Rd., F. A. P. 238-A, Brown Co., culverts $2,667, 3,720 ft. guard rail $1,645, 2 creosoted trestle bridges $5,244; to Houston & Son, grading 12.1 mi. above road, $18,208; to Pierce Co., c/o County Clerk, Court House, gravel surfacing 6.8 mi. Pierce South Rd., F. A. P. 64-A, Pierce Co. $23,212, to C. E. Wacker, 1431 South 9th St., Lincoln, 4.1 mi. Culvertson-East Co. Line Rd., F. A. P. 68-C, Hitchcock Co. $8,417, to Central Bridge Co., Wahoo, 11.9 mi. Crete-East Rd., F. A. P. 98-A, Lancaster Co. $35,668, 6.1 mi. Alliance-North Rd., F. A. P. 76-D, Box Butte Co. $14,608, to Reel & Kennedy Co., 8.6 mi. Oshkosh-Lytle Rd., F. A. P. 82-A, Garden Co. $16,949, to Union Constr. Co., Kearney, 1.8 mi. Overton-East Co. Line Rd., F. A. P. 231-A, Dawson Co., $4,365, to R. T. Cummings, 108.1 yd. concrete culverts on same road, $491, to Phelps Co., c/o Court House, grading 5.9 mi. Holdredge-Loomis Rd., F. A. P. 251-A, Philps Co. $4,382; to Mid State Constr. Co., Hastings, 590 ft. 18- to 30-in. culverts on same road $2,869, to Abel Constr. Co., 318 Terminal Bldg., Lincoln, 1,240 ft. guard rail on Milford-Seward Rd., F. A. P. 226, Seward Co., $744, to Metz Constr. Co., Springfield, 4,608 ft. guard rail on Wymore South Rd., F. A. P. 250-A, Gage Co. $2,459, to W. Bolen, grading 66,200 yd. same road $16,898. Grand total $797,006. Noted May 21.

**Neb., Battle Creek** — Asphaltic concrete paving 13,480 sq.yd. streets in Paving Dist. 2, to Western Asphalt Paving Co., Sioux City, $36,400.

**North Dakota** — State Hy. Comn., and Comrs. McHenry Co., Towner, grading, etc., 11.08 mi. Federal Aid Project 274A, to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $47,329; improving 6.5 mi. Federal Aid Project 270A, grading to Druhl & Kemper, Minot, $15,170, concrete work, to F. M. Hass Co., Minot, $3,992. Grand total $66,491. Noted May 21.

**Ark., Hughes**—St. Francis Co. improving 3.92 mi. roads in Impvt. Dist. 5, 48,603 cu.yd. excav., 8,218 cu.yd. gravel surfacing 2-7 mi. haul, etc., to W. H. Denison, Cushman, $33,102. Noted May 7.

**Tex., Childress**—Curbing and brick on 4 in. concrete surfacing various streets, to Jordan Constr. Co., Plainview, about $250,000. Noted June 4.

**Washington**—State Hy. Comn., Olympia, grading, crushed gravel surfacing, etc., 7.06 mi. State Rd. 22, Stevens Co., to Owens Bros., Reardan, $38,939; crushed rock surfacing 20 mi. State Rd. 12, Lewis and Pacific Counties, to F. G. Redman, P. O. Box 482, Yakima Co., $35,494; grading, concrete paving, etc., 3.23 mi. State Rd. 12, Pacific Co., Templeton & Co., 2922 Seaboard Bldg., Everett, $86,306. Grand total $160,738. Noted May 14.

**Wash., Raymond**—City Comn., concrete paving Ouryea St. from 3rd to 4th Sts., to Philbrick & Nicholson, Aberdeen, $83,130.

**Wash., Seattle**—Bd. Pub. Wks., improving 12th Ave. S., et al., to Loveberry & Watson, 102 West Boston St., $172,911. Engrs. est. $169,787. Noted June 11.

**Wash., Seattle**—Comrs. King Co., concrete paving, etc., 30,217 sq.yd. Lake Burien Highway, to McHugh & Coluccio, 517 3rd Ave., $83,749. Noted May 21.

**Oregon**—State Hy. Comn., Salem, improving 8.5 mi. Roosevelt Highway, Lincoln Co., to Joplin & McArthur, Portland, $64,950, 0.87 mi. Roosevelt Highway, Lincoln Co., to Sydney & Newell, Portland, $17,420; crushed stone surfacing Enchanted Prairie Sect. Coos Bay Highway, Cass and Douglas Counties, to Hanes & Colby, Rosenburgh, $30,400; constructing overhead crossing on Old Oregon Trail, Cabbage Hill, Umatilla Co., to J. D. Tobin, 1024 Vancouver St., Portland, $30,730. Grand total $142,500.

**Ore., Portland**—To Shea & Lundstrom, Portland, concrete widening Powell Valley Rd. from East 26th to 56th Sts., 26,910 cu. yd. excav. at $0.48 per cu.yd., 37,080 sq.ft. concrete sidewalks $0.135, 41,820 sq.yd. 7 in. concrete paving, etc. $1.63, total $97,882. Engrs. est. $131,001. Noted May 7.

**Ore., Portland**—Multnomah Co. Comn., to Warren Constr. Co., 411 Yeon Bldg., improving 2 mi. Fairview-Gresham Rd., 4,500 cu.yd. unclassified excav. at $0.58 per cu. yd., 2,500 lin.ft. concrete curbing $0.60, 540 crushed rock shoulders in place $2.20, 7,220 sq.yd. 7 in. concrete $2.25, 2,400 sq.yd. 2 in. Warrenite bitulithic concrete $1.10, 8,260 sq.yd. 5 in. Warrenite bitulithic concrete $1.90, etc., total $42,012.

**California**—State Hy. Comn., 1111 Pacific Finance Bldg., Los Angeles, concrete paving 3.3 mi. road between Montebello and Whittier, Los Angeles Co., to Kuhn Bros., Manhattan Beach, $122,553. Engrs. est. $156,098. Noted May 28.

**California**—State Hy. Comn., Sacramento, concrete paving 3 mi. and concrete shoulder widening 2.5 mi. highway between Santa Ana River and Redlands, in San Bernardino Co., to Basich Bros. Co., 3788 South Vermont Ave., Los Angeles, $119,880. Engrs. est. $142,732.

**California**—State Hy. Comn., Sacramento, grading and concrete paving 3.6 mi. highway between point 2 mi. south of San Onofre and northerly boundary, San Diego Co., to R. A. Wattson, 2304 Hyperion St., Los Angeles, $119,057. Engrs. est. $139,518. Noted May 21.

**Calif., Los Angeles** — Los Angeles Co., grading, curbing and 6 in. concrete paving 13,435 sq.yd. Swall and Sherman Aves. between Pacific Electric Ry. and city limits, to Spencer & Holt, Frost Bldg., Los Angeles, $31,600.

**Calif., Mayfield** — City Trustees, 5 in. vibrolithic paving, etc., 296,000 sq.ft. various streets, to A. J. Crocker, 58 2nd St., San Francisco, $0.225 per ft., total $81,174. Noted May 28.

**Calif., Oakland** — City Council, grading and 2 in. Warrenite bitulithic on concrete paving 1,014,959 sq.ft. East 14th St., etc., to Oakland Paving Co., 5000 Bway., approximately $499,045. Noted June 11.

**Calif., Oakland** — City Council, grading, curbing, guttering, sidewalks, and oil macadam paving, 83,319 sq.ft. Redding Pl., Redding St., Kingsland and Birdsall Ave., to Central Constr. Co., Oakland Bank of Savings Bldg. Noted May 28.

**Calif., Redwood City**—Grading and 5 in. vibrolithic concrete paving 197,000 ft. on El Camino Real, to W. A. Dontanville, P. O. Box 65, Salinas, $54,830. Noted June 11.

**Calif., San Diego**—Common Council, curbing, guttering, sidewalks, and 4 in. asphaltic concrete paving 97,354 sq.yd. Couts St., Orizaba Ave., etc., to G. R. Daley, 4430 Boundary St., $25,568.

**Calif., Santa Cruz**—To Granite Constr. Co., Watsonville, improving Lincoln and Washington Sts., 145,459 sq.ft. grading at $0.023 sq.ft., 136,142 sq.ft. 2½ in. asphaltic macadam surfacing $0.096, etc., total approximately $25,150.

**Ont., Chatham**—Kent Co., concrete paving Raleigh town line, to G. Conibear, 265 St. Clair St.; Dover-Chatham town line to Cadwell Sand & Gravel Co., 228 Sandwich St., Windsor, $35,000.

Streets and Roads (Continued)

**Ont., Toronto** — Grading and asphaltic concrete paving 43,000 sq.yd. Boulevard Dr., to Godson Contg. Co., 203 Richmond St. W. Engrs. est. $160,000.

**Ont., Toronto** — To Kilmer & Barber, 10 Adelaide St. E., asphaltic concrete paving Harriett St. $2,706; to Dufferin Constr. Co., foot Bathurst St., asphalt paving Nelson Ave. $9,039, Manning Ave. $2,874, and Nassau St. $7,235; to Grant Contg. Co., 50 Front St. E., Hillside brick block paving 7th St. $6,128, concrete sidewalks on Snowden Ave., Tulles Dr., Yonge St. and Yonge Blvd.; to Constructing & Paving Co., Confederation Life Bldg., asphaltic concrete paving Inglewood Dr. $2,753; to Warren Bituminous Paving Co., 54 University Ave., bitulithic paving Herons St. $3,259; to A. Johnson, 17 Fairmount Crescent, concrete sidewalks on Jedburgh Rd., Redley and Orchards Blvd., Keystone, Moberly, Roslin and Iona Aves.; to H. Mitchell, 464 Brock Ave., concrete sidewalks on Melrose Ave. and Mt. Pleasant Rd.; to Ramsay Contg. Co., 39 Indian Rd., concrete sidewalks on Teddington Park and Lawrence Aves.; to Dept. Pub. Wks., by day labor, asphalt paving Jersey Ave. and Page St. $1,749, Laplante Ave. $1,910, Leslie St. $1,917, Mountstephen St $2,725, asphaltic concrete paving 7th St. $2,512, macadam paving Harriet St. $2,135, concrete curbing on Hirons, Page and 7th Sts., Jersey Ave., also concrete sidewalks on Brock Ave. and Humewood Dr.

**Ont., Windsor**—Concrete paving Campbell Ave., to Chick Contg. Co., McDougall Ave., $81,650; May Ave., Seneca St. and lane south of Essex Terminal Ry., to Premier Constr. Co., Ltd., Holland Blk., Walkerville, $15,589; Erie St. and Oak Ave., to Cadwell Sand & Gravel Co., Ltd., 228 Sandwich St. W., $24,194; lane between Victoria and Pelissier Sts. and lane between Highland and Mercer Sts., to Caloutti Bros., 612 Langlois Ave., $10,249.

**B. C., Point Grey** — Asphaltic concrete paving various streets, to G. B. Ledingham, Oak and Goodmurphy Sts., Vancouver, $5,065, also Cotton Co. Ltd., False Creek Yards, Vancouver, $29,936.

**B. C., Vancouver** — Asphaltic concrete paving various streets, to Columbia Bitulithic Co., 402 Pender St. E, $31,331; one course concrete surfacing various streets, to A. B. Palmer & Co., Vancouver Blk., $6,540.

## Buildings—Industrial

### PROPOSED WORK

**Mass., Cambridge** (Boston P. O.) — FACTORY — New England Confectionery Co., 253 Summer St., Boston, plans factory, Massachusetts Ave. and Albany St. $100,000. Lockwood, Greene & Co., 24 Federal St., Boston, engrs. Noted Oct. 23.

**Mass., Dorchester** (Boston P. O.)—SHOP—W. W. Drummey, archt., 60 Boylston St., Boston, making sketches 1 story, 65 x 200 ft., rein.-con. and terra cotta, Clayton St. $60,000. Owner's name withheld.

**Mass., Dorchester** (Sta. Boston) — REPAIR and SERVICE GARAGE—Dept. Pub. Wks., Boston, J. A. Rourke, comr., plans 1 story, rein.-con. and brick, Hancock St. Yard, here. $50,000 appropriated. Engineer and architect not selected.

**Mass., Malden** (Boston P. O.)—REPAIR and SERVICE GARAGE—S. Spector, 31 York Terrace, Dorchester, having sketches made by M. Kalman, 294 Washington St., Boston, 1 story, brick, Charles and Middlesex Sts. $80,000.

**Conn., Watertown**—POWER PLANT—Watertown Mfg. Co., had plans prepared by Fletcher-Thompson Inc., 542 Fairfield Ave., Bridgeport, 1 story, 50 x 50 ft., brick and steel addition, with 125 ft. radio brick stack. $75,000.

**N. J., Orange**—FACTORY, etc.—Riley & Downer, 36 William St., had plans prepared by Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, Conn., 2 story, 60 x 100 ft., brick factory, 20 x 30 ft. boiler house, and 50 x 75 ft. storage building. $75,000.

**Pa., Grove City**—PLANT—Bessemer Gas Engine Co., plans two 1 story, 60 x 180 ft. additions. Private plans.

**Va., Roanoke**—PLANT—Linde Air Products Co., 30 East 42nd St., New York City, plans rein.-con. and brick plant, plain foundation. $250,000. Private plans.

**Mo., Kansas City**—FACTORY—Fleischmann Co., 701 Washington St., New York City, N. Y., or 608 East 10th St., here, plans 2 story and basement, 93 x 127 ft., yeast factory, brick, plain foundation, 13th and Montgomery Sts. $75,000. Private plans.

### BIDS DESIRED

**Mass., Newton** (Ind. br. of Boston)—MANUFACTURING — United Trust, Inc., c/o Whitten & Gore, archts., 31 Milk St., Boston, taking bids reconstructing and altering present 4 story, brick commercial building into light manufacturing building, here. $40,000.

**Mass., Winchester**—POWER HOUSE and LAUNDRY—Winchester Hospital, Highland Ave., taking bids 1 and 2 story, rein.-con., brick and steel, plain foundation. $40,000. Kendall Taylor & Co., 142 Berkley St., Boston, archts.

**N. J., Camden** — PLANT — Armstrong Cork Co., foot Jefferson St. W., will build 4 story and basement, 72 x 74 ft., brick and steel plant, plain foundation, $80,000. Work will be done by separate contracts. Private plans.

**Mich., Detroit**—SHOP—A. Kahn, archt., 1000 Marquette Bldg., taking bids and open same about June 20, 1 story, 63 x 480 ft., rein.-con. and brick, plain foundation, Connors Ave., for Hudson Motor Car Co., 12601 East Jefferson Ave.

**Wis., Sheboygan**—FACTORY—June 25, by W. C. Weeks, archt., 720 Ontario St., 2 story and basement, 44 x 135 ft., brick and steel, plain foundation, South 14th St., for H. J. Holman & Sons, 1716 Calumet Dr. $40,000.

**Mo., St. Louis**—PLANT—Century Electric Co., 19th and Pine Sts., will build 2 story and basement, 69 x 75 ft., rein.-con. and brick addition, Olive St. Work will be done by separate contracts under supervision of L. Pendleton, archt., 119 North 7th St. $70,000.

**Calif., Oakland** — PLANT — Natl. Ice Cream Co., 371 Guerrero St., San Francisco, taking bids ice cream plant, rein.-con., 3rd and Cypress Sts. $40,000. Private plans.

**Calif., San Francisco**—FACTORY—Ashley & Evers, 58 Sutter St., archts., taking bids 2 story, 50 x 150 ft., concrete, Fremont St., for the Phila. Storage Battery Co., 37 Spear St. $50,000. Noted May 21.

### CONTRACTS AWARDED

**Mass., Boston**—MARKET—Swift & Co., 60 North Market St., 5 story and basement market, Market St., to J. W. Ferguson, 152 Market St., Newark, N. J. Archts. est. $200,000.

**Mass., Cambridge** (Boston P. O.)—REPAIR and SERVICE GARAGE—Dunster Realty Co., c/o E. B. Stratton, archt., 25 Arch St., Boston, 1 story, 70 x 100 ft., rein.-con. and brick addition, Mt. Auburn and Boylston Sts., here, to Cantor Constr. Co., 6 Beacon St., Boston. Archts. est. $60,000. This corrects report in May 28 issue.

**Mass., Lynn**—REPAIR SHOP—Central Motors Co., 20 Mt. Vernon St., 2 story and basement, 50 x 60 ft., rein.-con. and brick, to Capobianco Constr. Co., 46 Cornhill St., Boston. Archts. est. $60,000.

**Conn., Allingtown** (mail New Haven)—REPAIR and SERVICE GARAGE—Mack Co., 1 story, 115 x 160 ft., brick and steel addition, to Larkin-Carey Co., 166 Brewery St. Archts. est. $100,000.

**Conn., Wallingford**—FACTORY—International Silver Co., East Center St., 2 story addition to examining department, and 1 story (ultimately 3 story), 40 x 130 ft., rein.-con. and brick machine shop, to Immick Co., State St., Meriden, about $100,000.

**N. Y., Buffalo**—FACTORY—Chase Bag Co., Buffalo, and 4 North Main St., St. Louis, Mo., 2 story, 180 x 300 ft., concrete, brick and steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Archts. est. $150,000.

**N. Y., Livingston**—BOILER HOUSE—Staten Island Corp., St. George, extending boiler house, boilers, etc., here, to J. G. White Corp., 43 Exch. Pl., New York City.

**Pa., Brownsville**—SHOPS—Monongahela R.R. Co., Brownsville, 1 story, 250 x 250 ft. machine and car shops, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $100,000.

**Pa., Lewiston** — SHOP — Ballinger Co., archts., 12th and Chestnut Sts., Phila., 1 story, 111 x 148 ft. machine and carpenter shop, brick and steel, on Juniata River, here, to R. S. Shoemaker, Harrisburg, for the Viscose Co., Marcus Hook. Noted June 4.

**Pa., Phila.**—PLANT—J. N. Gill Contg. Co., (archt. and contractor), City Center Bldg., will build 2 story and basement, brick, plain foundation, 27th and Bainbridge Sts. Owner's name withheld.

**Md., Baltimore**—PLANT—L. H. Rettberg, Inc., 2823 Pennsylvania Ave., 2 story, 150 x 300 ft., rein.-con. and brick, plain foundation, 6th St. south of Wilkens Ave., to North-Eastern Constr. Co., Lexington Bldg., $150,000.

**Tenn., Jackson** — SHOPS, etc. — Mobile & Ohio R.R. Co., Fullerton Bldg., St. Louis, Mo., 2nd Unit of shops, etc., incl. 78 x 375 ft. shop, 75 x 375 ft. and 50 x 375 ft. machine shops, 75 x 154 ft. boiler shop, 50 x 150 ft blacksmith shop, 75 x 78 ft. tank shop and 50 x 75 ft. wheel shop, etc., all at Iselin, near here, to Dwight P. Robinson & Co., 125 East 46th St., New York City, $1,250,000.

**O., Cincinnati**—GARAGE and REPAIR SHOP—Times-Star Newspaper Co., 6th and Walnut Sts., 3 story and basement, 55 x [illegible] ft. and 30 x 47 ft., rein.-con. and brick, Central Ave. and Perry St., to M. J. Roche Constr. Co., Southern Ohio Bank Bldg., $120,000. Archts. est. $125,000.

**O., Cleveland**—FACTORY, etc.—Perfect-lite Co., c/o A. Sogg, archt., 3030 Euclid Ave., 2 story and basement, 6[illegible] x 140 ft., brick and steel factory and office building, East 40th St., to J. Meckler, 9602 Adams Ave. Archts. est. $100,000. Noted Feb. 5.

**O., Cleveland** — FURNACE ROOM — Economy Fixture Co., T. McWeeny, vice-pres., 5408 Bragg Rd., 1 and 2 story, 32 x 67 ft., brick, steel and concrete addition, to J. Bakhala, 10000 Euclid Bldg. Archts. est. $40,000. Noted May 7.

**Wis., Milwaukee**—PLANT—Brumder Estate, 105 Wells St., 3 story and basement, 52 x 150 ft. newspaper plant, brick and concrete, plain foundation, 7th St., to Universal Constr. Co., 915 Chestnut St. Archts. est. $100,000.

**Kan., Winfield**—FREIGHT STATION—See "Buildings—Commercial."

**Mo., Kansas City** — BAKERY — Alan Stuart Co., c/o De Foe & Besecke, archts., 1704 Baltimore Ave., general contract 1 story and basement, 109 x 160 ft., rein.-con. and brick, 9th and Campbell Sts., to B. L. Hoffman, 223 East 9th St.

**Mo., St. Louis** — PLANT — Pauly Jail Building Co., 2215 South DeKalb St., 1 and 2 story and basement, 124 x 146 ft., rein.-con. and brick, 2218-24 South 2nd St., to Voelpel Building Co., 1113 Sidney St. Archts. est. $50,000.

## Buildings—Commercial

### PROPOSED WORK

**Me., Biddeford** — NURSES HOME — Webber Hospital, E. H. Goldthwaite, chn., com., having plans prepared by H. S. Coombs, 11 Lisbon St., Lewiston, 2 story, brick and stone, Elm St. $150,000.

**Mass., Boston** — APARTMENT — Myles Standish, Inc., c/o J. S. Draper, 209 Washington St., having plans prepared by A. W. Bowditch, 44 Bromfield St., 9 story and basement, 285 x 305 ft., rein.-con. and limestone, Beacon St. and Bay State Rd. To exceed $150,000.

**Mass., Boston** — APARTMENT — One Hundred Thirty-Seven Marlboro St., Inc., c/o Goggin & Ripley, Inc., 350 Madison Ave., New York City, having plans prepared by Bigelow & Wadsworth, 120 Tremont St., 10 story and basement, 4,600 ft. floor space, brick and limestone, 137 Marlboro St. $250,000. Noted Apr. 30.

**Mass., Boston**—FIRE STATION—Fire Dept., 61 Bristol St., having sketches made by L. J. St. Amand, 14 Beacon St., 3 story and basement, 40 x 85 x 90 ft., brick, Tremont St. and Shawmut Ave. $350,000 appropriated. Noted Apr. 9.

**Mass., Boston** — GARAGE — Syndicate, c/o R. M. Robbins, 209 Washington St., will not construct 7 story and basement, 11,500 sq.ft. floor space, rein.-con. brick, and steel, Bowdoin St. Archt. est. $350,000. Project abandoned. Noted Dec. 18.

**Mass., Boston**—HOTEL—J. Whipple Corp., c/o C. M. Hart, pres., Hotel Touraine, having sketches made by Desmond & Lord, 1 Beacon St., 10 or 11 story, School and Tremont Sts. $1,000,000.

**Mass., Somerville** (br. of Boston) — THEATRE—A. F. Viano, 19 Pauline St., having preliminary sketches made by J. A. Quirk, 61 Court St., Boston, 1 story, brick, Elm St. $150,000.

**N. Y., Buffalo**—Y. W. C. A., c/o E. P. Luffer, Y. W. C. A. Bldg., Mohawk St., having preliminary plans prepared by Hudson & Hudson, Dun Bldg., 100 x 125 ft. rein.-con., brick and steel, Worth St. $250,000.

**N. Y., Coney Island** (Brooklyn P. O.) — HOTEL—Amer. Hotel Co., 25 West 45th St., New York City, takes bids about July 23, 17 story, brick, steel and stone, plain foundation, Boardwalk and 29th St., here. G. B. Post & Sons, 101 Park Ave., New York City, archts. and engrs. Noted Apr. 2.

**N. Y., New York**—APARTMENT—Clark Place Constr. Co., c/o J. M. Felson, archt. and engr., 250 West 57th St., having plans prepared 6 story, brick, steel and stone, plain foundation, Beck St. $500,000.

**N. Y., New York**—APARTMENT—J. M. Felson, engr. and archt., 250 West 57th St., preparing plans 15 story, brick, steel and stone, plain foundation, 93rd St. and Bway. $1,500,000. Owner's name withheld.

**N. Y., New York**—APARTMENT—One Hundred Sixty-Eight East 74th St. Corp., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 9 story, brick, steel and stone, plain foundation, 172 East 74th St.

Buildings—Commercial (Continued)

**N. Y., New York** — APARTMENT — Ludins Bros., 1349 Jerome Ave., plan 100 x 235 ft., brick, steel and stone, plain foundation, Walton Ave. and 165th St. Engineer and architect not selected.

**N. Y., New York**—BANK and OFFICE—M. M. Natanson, 522 5th Ave., having plans prepared by H. Craig Severance, 36 West 44th St., 30 story, brick, steel and stone, plain foundation, 44th St. and 5th Ave. $4,000,000.

**N. Y., New York**—HOTEL—A. Heckscher, 50 East 42nd St., having plans prepared by Maynicke & Franke, archts. and engrs., 25 East 26th St., 15 story, 100 x 185 ft., brick, steel and stone, plain foundation, Park Ave. and 56th St. $3,000,000.

**N. Y., New York**—LOFT—Five Hundred Nineteen 8th Ave. Corp., c/o G. and E. Blum, archts. and engrs., 505 5th Ave., having plans prepared 24 story, 118 x 120 ft., brick, steel and stone, plain foundation, 8th Ave. and 56th St. $1,500,000.

**N. Y., New York**—OFFICE—John Gold Realty Corp., c/o Buchman & Kahn, archts. and engrs., 49 West 45th St., having plans prepared 24 story, brick, steel and stone, plain foundation, John, Gold and Platt Sts. $4,000,000.

**N. Y., New York** — OFFICE — Silvers Lunch Stores Corp., c/o B. H. Whinston, archt., 41 West 33rd St., having plans prepared brick, steel and stone, plain foundation, 717 7th Ave. $200,000.

**Pa., Phila.** — OFFICE — Pennsylvania R. R., Broad St. Sta., having plans prepared by Graham, Anderson Probst & White, Railroad Exch. Bldg., Chicago, Ill., 14 story, basement, and tower, 150 x 250 ft., brick and steel, plain foundation, 32nd St. and Lancaster Ave. $3,300,000.

**Fla., Tampa**—HOTEL—Tampa Commercial Constr. Co., now being organized by A. J. Simms & Co., Citrus Exch. Bldg., having plans prepared by F. J. Kennard & Son, Krause Bldg., constructing Hotel Floridan, 15 story and basement, 105 x 105 ft., Florida and Cass St. $1,100,000.

**Fla., Tampa**—OFFICE—J. A. Crenshaw, 311 7th Ave., plans 15 to 20 story hotel, Tampa and Washington Sts. $1,000,000.

**O., Youngstown** — THEATRE — State Amusement Co., West Federal St., plans theatre, 2,000 seating capacity, West Federal St. $750,000-$1,000,000.

**Ill., Peoria**—WAREHOUSE, etc.—L. B. Portman & Co., Kansas City, Mo., having plans prepared by B. L. Hulsebus, 1232 Jefferson Bldg., 7 story and basement, 180,000 sq.ft. floor space, rein.-con., brick and steel warehouse and storage plant, plain foundation, North Washington and Jackson Sts. $500,000. Engineer not selected.

**Okla., Walters**—COURT HOUSE—Cotton Co. postponed opening of bids indefinitely for 3 story and basement, 74 x 90 ft., rein.-con., brick and stone court house. Tonini & Bramblett, 416½ West Main St., Oklahoma City, archts. Noted Apr. 23.

**Colo., Denver**—OFFICE—Continental Oil Co., Continental Oil Bldg., having plans prepared by W. U. Bowman, Wyoming Bldg., 10 or 14 story office building, 18th and Glenarm Sts. $1,000,000.

**Ore., Portland**—HOTEL—Portland Hotel Co., 6th and Morrison Sts., plans 12 story, basement and sub-basement, 200 x 200 ft., rein.-con. hotel, 5th, 6th, Yamhill and Stark Sts. $2,000,000.

## BIDS DESIRED

**Me., Bangor**—HOME—June 24, by Eastern Maine General Hospital, 4 story and basement, 65 x 140 ft., nurses home, brick and steel, State St. $250,000. Coolidge & Carlson, 89 State St., Boston, Mass., archts.

**Mass., Brighton** (Boston P. O.)—COURT HOUSE—June 23, by Dept. Pub. Buildings, 1 story and basement, 80 x 200 ft., rein.-con., granite and limestone, Chestnut Hill Ave. and Academy Hill Rd. $225,000. O'Connell & Shaw, 154 Newbury St., Boston, archts. Former bids rejected. Noted June 4.

**Mass., Cambridge** (Boston P. O.)—OFFICE and STORE—Manufacturers Natl. Bank, Kendall Sq., taking bids 5 story, 52 x 127 ft., rein.-con., brick and stone, plain foundation, also 2 story top addition to present 3 story building. To exceed $150,000. G. Robb, 15 Exchange St., Boston, archt. Noted Feb. 12.

**Conn., East Hartford** — OFFICE, etc. — June 19, by Economy Grocery Co., 85 South Leonard St., 2 story, 50 x 200 ft., brick office and manufacturing building, 1 story, 200 x 315 ft., brick and timber warehouse, 1 story, 55 x 125 ft., rein.-con. and steel garage, and 25 x 40 ft., brick boiler house, Park Ave. $225,000. Buck & Sheldon, 60 Prospect St., Hartford, archts.

**Conn., Waterbury**—OFFICE, etc.—June 20, by Connecticut Co., West Main St., 2 story and basement, 50 x 120 ft., brick and steel office, stack 85 ft. high, etc., West Main St. $150,000. R. W. Foote, 185 Church St., New Haven, archt.

**N. Y., Beacon**—HOSPITAL—June 29, by J. L. Long, supt. Prisons, Capitol, Albany, constructing, heating, sanitary and electric work, hospital, kitchen and dining room buildings (new group), also addition to main group, Mattewan State Hospital, here. S. W. Jones, Capitol, Albany, archt.; adv. E. N.-R. June 18.

**N. Y., Creedmoor** (Jamaica P. O.)—HOSPITAL—June 30, by State Hospital Comn., Albany, constructing Buildings A. B, C. H, I, K, L, M, N, T, X, Y, EE, FF, HH, etc. S. W. Jones, state archt.; adv. E. N.-R. June 18.

**N. Y., New York**—APARTMENT—Lustig & Weil, 103 Park Ave., (owners and builders), will build 9 story, brick, steel and stone, plain foundation, 206 West 78th St. $600,000. Work will be done by separate contracts. Private plans.

**N. Y., New York** — HOTEL — Lapidus Eng. Co. (owner and builder) 103 Park Ave., will build brick, steel and stone, plain foundation, 21-39 West 73rd St. $3,000,000. Work will be done by separate contracts. Private plans. This corrects report in June 11 issue.

**Pa., Johnstown** — THEATRE, OFFICE and STORE—July 13, by A. Notopoulos, 1106 11th Ave., Altoona, 3 story and basement, 110 x 130 ft., concrete and steel, Main St. $400,000.

**Pa., Mt. Airy** — APARTMENT — P. W. Lark, Commercial Trust Co., Phila., will build 3 story and basement, 39 x 130 ft. brick, plain foundation, 212-13 Highland Ave. $150,000. Work will be done by separate contracts. H. H. Weldon, 1817 Callowhill St., Phila., archts.

**Pa., New Castle**—POOR HOUSE—June 22, by Comrs. Lawrence Co., and A. L. Thayer, archt., 1207 Delaware Ave., 2 and 3 story and basement, 2 wing poor house. $250,000. Noted Apr. 9.

**Pa., Phila.**—APARTMENT—June 22, by Lippincott & Schaef, archts., 11 South 16th St., 4 story and basement, 40 x 148 ft., and 48 x 90 ft., brick and steel, plain foundation, 63rd and Lebanon Sts., for W. A. Brady, c/o architects. Archts. est. $500,000. Noted May 14.

**O., Cleveland** — STORE and APARTMENT—Gordon & Mason, 11414 Temblett Ave., taking bids 3 story, 128 x 134 ft., brick and steel, East 105th St. and Temblett Ave. $175,000. L. Skolnik, Auditorium Garage Bldg., archt.

**Ill., Waukegan**—BANK and OFFICE—June 22, by W. G. Uffendell, archt., 39 South State St., Chicago, 3 story and basement, 66 x 70 ft., concrete, brick, steel and stone, plain foundation, here, for Security Savings Bank, 241 Washington St. $200,000.

**Wis., Milwaukee**—THEATRE—June 24, by A. H. Kienappel, archt., 445 Milwaukee St., 2 story and basement, 62 x 90 ft., and 60 x 210 ft., brick and concrete, plain foundation, 8th Ave., for A. H. Bartelt, 1750 8th Ave. $150,000. Noted May 21.

**Kan., Dodge City**—HOSPITAL—June 22, by Schmidt, Boucher & Overend, archts., 4th Natl. Bldg., Wichita, 2 and 3 story and basement, 46 x 144 ft. with 33 x 39 ft. extension, 53 x 59 ft. boiler house, and 47 x 99 ft. nurses home, rein.-con., brick and stone, here, for Sisters of St. Joseph. $150,000.

**Tex., Hillsboro** — HOTEL — A. Fraser, archt., 916 Littlefield Bldg., Austin, taking bids 4 story and basement, 51 x 112 ft. rein.-con. and stone, South Waco and Walnut Sts., here, for T. A. Johnson, Hillsboro, $150,000. Noted Jan. 29.

**Tex., Houston**—OFFICE—A. C. Bossom, archt., 680 5th Ave., New York City, N. Y., and M. J. Sullivan, Briscoe & Dixon, associated archts., 2nd Natl. Bank Bldg., taking bids 16 or 20 story rein.-con., brick and stone, Texas Ave., and Austin St., here, for Petroleum Building Co., c/o T. P. Lee, pres., 1405 2nd Natl. Bank Bldg. $1,250,000.

**Calif., Los Angeles**—HOTEL and STORE—Hayward Hotel, Spring and 6th Sts., H. C. Fryman, proprietor, taking bids 14 story and basement, 60 x 82 ft., rein.-con. hotel and store building, 5th St. near Spring St. $600,000. J. and D. B. Parkinson, 420 Title Insurance Bldg., archts. Apr. 9.

**Calif., Los Angeles**—LOFT—Harris Newmark Estate, c/o Curlett & Beelman, archts., 408 Union Bank Bldg., taking bids 12 story and basement, 140 x 160 ft., rein.-con., 9th and Los Angeles Sts. $650,000. Noted Apr. 23.

**Calif., San Francisco**—CLUB—C. Werner, archt., Santa Fe Bldg., taking bids 8 story and basement, Class A, The Embarcadero, for the Y. M. C. A., Golden Gate Ave. and Leavenworth St. $750,000.

## BIDS RECEIVED

**Calif, Los Angeles**—CLUB—Turnverein Germania, c/o J. P. Krempel & W. E. Erkes, archts., Bradbury Bldg., general contract 2 story, 114 x 265 ft., Washington St. near Toberman St., from Winter Constr. Co., 2400 West 7th St., Los Angeles, $177,865. Noted May 28.

## CONTRACTS AWARDED

**N. H., Concord**—BANK and OFFICE—New Hampshire Savings Bank, North Main St., 5 story and basement, brick, plain foundation, North Main St., to H. P. Cummings Constr. Co., 14 Prospect St., Ware. Archts. est. $150,000. Noted Apr. 30.

**Mass., Lowell**—CLUB—Y. M. C. U., c/o Immaculate Conception Parish, L. J. Tighe, pastor, 3 story and basement, 55 x 110 ft., brick and stone, plain foundation, Brown and Stackpole Sts., to H. F. Meloy, 621 Wyman's Exch. Bldg. Archts. est. $150,000. Noted Apr. 23.

**Mass., Northampton** — HOME — White Eagles Home Assn., Inc., c/o J. W. Sliwa & Co., archts., 56 Main St., 3 story and basement, 75 x 80 ft., brick and stone, Strong Ave. and Pearl St., to Schnarl Constr. Corp., 318 Main St., Springfield. Archts. est. $150,000. Noted May 14.

**Mass., South Braintree** (Ind. br. of Boston)—BANK—Braintree Savings Bank, L. B. Hollis, pres., 2 story and basement, rein.-con., brick, stone and steel, Washington St., to R. H. Howes Constr. Co., Park Sq. Bldg., Boston. Archts. est. $150,000. Noted May 28.

**Mass., Winthrop** — —COMMUNITY — Congregation Tiffereth Israel, Shirley St., 2 story and basement, 70 x 100 ft., brick, Shirley St., to Murray Wise, 113 Staniford St., Boston. Archts. est. $150,000.

**Conn., Hartford**—APARTMENT—Joseph St. Laurent, 1026 Main St., will build 4 story, 35 x 165 ft., brick and steel, plain foundation, Wethersfield Ave., by day labor. $150,000. Private plans.

**Conn., Hartford**—OFFICE—Ferrigno & Perrone, (owners and contractors), 44 Garden St., will build 6 story, 109 x 200 ft., rein.-con., brick and steel, Asylum and High Sts., $2,000,000. T. W. Lamb, 644 8th Ave., New York City, archt.

**Conn., Hartford**—SOCIAL—I. O. O. F. Society, 3 story, 44 x 188 ft., rein.-con. and brick social building, Main St., to Wise & Upson, 36 Pearl St., about $250,000. Noted June 4.

**Conn., Hartford**—STORE and OFFICE—T. W. Donaghue, c/o R. W. Foote, 185 Church St., New Haven, 4 story and basement, 75 x 100 ft., brick and terra cotta, to Wales-Lines Co., 134 State St., Meriden. Archts. est. to exceed $150,000.

**N. J., Newark** — BANK and OFFICE — Federal Trust Co., 740 Broad St., 18 story, brick, steel and stone, plain foundation, Commerce and Broad Sts., to Pub. Service Co., Terminal Bldg. Archts. est. $1,250,000. Noted May 7.

**Pa., Altoona**—CITY HALL—City, E. F. Giles, mayor, general contract 3 story and basement, 90 x 120 ft., brick, stone and steel, 13th Ave., to A. W. Funk & Co., Altoona, $234,362. Noted June 4.

**Pa., Bethlehem**—BANK—Ritter & Shay, archts., Packard Bldg., Phila., 1 story and basement. 60 x 134 ft., brick, plain foundation, Broad and Guetter Sts., here, to H. E. Stoudt, Bethlehem, for Lehigh Valley Natl. Bank. Noted Apr. 30.

**Del., Dover**—HOSPITAL—F. R. Watson, archt., 1211 Walnut St., Phila., Pa., 3 story and basement, 40 x 135 ft., brick and steel, plain foundation, to Bennett McLaughlin Co., 3260 Ludlow St., Phila., for Kent General Hospital. Noted May 28.

**Pa., Phila.** — APARTMENT — J. L. Cochrane, c/o J. F. Clark, archt., 23 South 16th St., 4 story and basement, 50 x 178 ft., brick, plain foundation, 36th and Powelbin Sts., to Franklin Constr. Co., 23 South 16th St. Archts. est. $200,000.

**Pa., Phila.** — GARAGE — Shotz & Co., Juniper and Walnut Sts., 1 story, 112 x 243 ft., brick and steel, plain foundation, York Rd. and Ruscomb St., to Schecter & Levitt, 6th St., and 66th Ave. Archts. est. $150,000.

**Pa., Pittsburgh**—BANK and OFFICE—Bloomfield Trust Co., 4740 Liberty Ave., general contract 2 story and basement, 111 x 126 ft. bank and office building, to A. and S. Wilson Co., 541 3rd Ave., Pittsburgh. Archts. est. $200,000. Noted May 14.

**Pa., Reading** — APARTMENT — W. A. Rigg, Colonial Trust Bldg., 4 story and basement, 60 x 220 ft., brick, to Fink Constr. Co., 510 Walnut St., Phila. Archts. est. $330,000. Noted Feb. 19.

**Fla., Lakeland**—HOSPITAL—City, hospital, to Artley Co., Masonic Bldg., Savannah, Ga., and Bradentown, $238,748.

**Fla., Lakeland**—OFFICE—E. J. Sparks Enterprises, Inc., 10 story and basement, 50 x 122 ft., Kentucky Ave. and Lemon St., to G. A. Miller, 28 Petteway Bldg., Tampa, $450,000. Noted Apr. 16.

**Fla., Tampa** — APARTMENT — D. P. Davis Properties, Inc., 6 story apartment

Buildings—Commercial (Continued)

and Venetian Apartments, on Davis Island Blvd., to Island Constr. Co., c/o owner, $750,000 and $200,000 respectively.

**Fla., Tampa** — AUDITORIUM — City, auditorium, incl. loft for dramatic stage, to McDavitt-Fleming Co., Tampa, $250,214. Noted May 28.

**Fla., Winter Haven** — HOTEL — Lake Region Hotel Co., H. B. Babson, pres., hotel at 5th and Lake Sts., to Seymore & Craig, Winter Haven, $200,000.

**O., Canton**—STORE—North Market Ave. Realty Co., Market Ave. N., 2 story and basement, 66 x 200 ft., brick and steel, High Ave. and West Tuscarawas St., to E. H. Walker, Zinninger Bldg., $150,000.

**O., East Liverpool**—MERCANTILE—T. V. Milligan Hardware & Supply Co., 5th St., 3 story, 46 x 130 ft., concrete, 5th St. E., to H. K. Ferguson Co., 3239 East 82nd St., Cleveland, $150,000. Noted Apr. 2.

**Mich., Detroit**—MERCANTILE—Detroit Trust Co., 201 West Fort St., 8 story and basement, about 40 x 120 ft., and 1 story addition to present building, rein.-con., brick and steel, plain foundation, Woodward Ave., to A. A. Albrecht Co., 1130 Penobscot Bldg. Archts. est. about $300,000.

**Ill., Peoria** — APARTMENT — F. Gray, 1226 Seneca Pl., 3 story and basement, 92 x 162 ft., rein.-con., brick, steel and stone, plain foundation, 918 Hamilton Blvd., to Gray Constr. Co., 116 Fayette St., $250,000.

**Ill., Peoria**—HOSPITAL—Methodist Hospital of Central Illinois, 6 story and basement, 80 x 130 ft., stone, brick, and concrete, Glen Oak St., to W. Eller & Sons, Peoria. Archts. est. $350,000. Noted Apr. 16.

**Wis., Milwaukee**—APARTMENT—C. J. Keller & Son, archts., 432 Bway., 3 story, 40 x 142 ft., brick and tile, plain foundation, 15th St., to Raulf Co., 428 Grand Ave., for I. H. Benesch Co., 513 Van Buren St. Archts. est. $150,000. Noted May 28.

**Wis., Milwaukee**—APARTMENT—W. J. Kozick, archt., 664 24th St., 4 story and basement, 47 x 131 ft., brick and steel, plain foundation, 15th St., to E. Steigerwald & Sons, 51st and State Sts., for O. F. Priebe Realty Co., 3501 Highland Blvd. Archts. est. $150,000. Noted May 28.

**Wis., Milwaukee** — THEATRE, STORE and OFFICE—Dick & Bauer, archts., 811 State St., 2 story and basement, 86 x 88 ft., and 102 x 150 ft., brick, steel and concrete, plain foundation, Wells and 27th Sts., to H. Schmitt & Son, 430 Farwell Ave., for Mal Investment Co., 376 East Water St. $500,000. Noted May 14.

**Minn., Minneapolis** — APARTMENT — Calhoun Beach Holding Co., H. S. Goldie, 929 Plymouth Bldg., general contract two 3 story and basement, 64 x 113 ft., rein.-con., brick and stone, West Lake St. and Dean Blvd., to Fleischer Eng. & Constr. Co., 306 Lumber Exch. Bldg., about $230,000.

**Kan., Winfield**—STATION, etc.—Atchison, Topeka & Santa Fe R.R. Co., Railway Exch. Bldg., Chicago, general contract 32 x 54 ft. passenger station, 30 x 160 ft. freight station, and 20 x 230 ft. platform, rein.-con. and brick, to Swanson Bros. Constr. Co., 207 Broodmore, Topeka.

**S. D., Miller**—COURT HOUSE—P. H. Walsh, aud. Hard Co., 3 story and basement, rein.-con., brick and stone courthouse, to Currie Constr. Co., Waterloo, Ia., $184,764. Noted May 14.

**Mo., Kansas City**—APARTMENT—J. H. Wood, pres. Northeast Building Co., 335 North Van Brunt Blvd., will build 5 story and basement, 50 x 125 ft., rein.-con., plain foundation, 1509 Wyndotte St., by day labor, $250,000. G. F. Greene, 429 Rialto Bldg., archt. Noted Apr. 23.

**Mo., Kansas City**—DANCE HALL—E. Kuhn, 12 Gayety Bldg., general contract 1 story (ultimately 8 story) and basement, 155 x 196 ft., rein.-con., brick and terra cotta, McGee and 23rd Sts., to Patti Constr. Co., 411 Jenkins Bldg. Archts. est. to exceed $150,000. Noted June 11.

**Mo., Kansas City**—OFFICE and WAREHOUSE—Commercial Structures, c/o F. H. Petts, 615 Continental Bldg., will build 6 story and basement, 50 x 100 ft., rein.-con., plain foundation, Main St., by day labor. $150,000. G. F. Green, 429 Rialto Bldg., archt.

**Mo., St. Louis**—OFFICE—Local Syndicate, c/o I. T. Cook & Co., Arcade Bldg., 18 story and basement, 60 x 80 ft., rein.-con., brick and steel, 4th and Locust Sts., to Seldon Breck Constr. Co., Fullerton Bldg. $1,000,000. This corrects report in Feb. 19 issue.

**Mo., St. Louis** — STORE and WAREHOUSE—F. Lind Grocer Co. will rebuild 7 story and basement, 76 x 101 ft., rein.-con. and brick, 7th and Lucas Aves., by day labor, under supervision of Brussel & Viterbo, 1630 Arcade Bldg., engrs.

**Tex., Dallas**—APARTMENT—H. Finley, Wichita Falls, 6 story, 77 x 117 ft., rein.-con., brick and stone, Pocahontas and Ervay Sts., here, to L. H. Lacy & Co., 2632 Swiss Ave., approximately $150,000.

**Tex., Ft. Worth** — HOSPITAL — All Saints Hospital, 52 Jennings Ave., 3 story and basement, rein.-con., brick and stone, 8th Ave. and Magnolia Sts., to T. S. Byrne, Ft. Worth Natl. Bank Bldg., $91,500.

**Tex., Georgetown**—DORMITORY, etc.—Southwestern University, c/o J. S. Barcus, pres., 3 story, U shaped, 87 x 234 ft. womens building, and 1 and 2 story, 80 x 109 ft. dining hall, connected by 15 x 50 ft. arcade, rein.-con., brick and stone, to J. E. Johnson Constr. Co., Waco, $183,000. Noted June 4.

**Okla., Ardmore** — STORAGE — Johnson Bros. Cold Storage Co., general contract 2 story, 80 x 192 ft., with 80 x 160 ft. wing, concrete and brick, to T. E. S. Nelson, Ardmore. Archts. est. $150,000. Mar. 19.

**Okla., Stillwater** — DORMITORIES — A. & M. College, general contract Boys Dormitory and Girls Dormitory, each 3 story and basement, 58 x 207 ft., rein.-con., brick and stone, to Kreipke-Schaefer Constr. Co., Herske Bldg., Oklahoma City, $141,450 and $142,000 respectively.

**Okla., Supply**—HOSPITAL—State Building Comn., Oklahoma City, general contract 2 story 185 x 57 ft. hospital with 80 x 42 ft. wing, stone, to W. S. Bellows Constr. Co., Herskowitz Bldg., Oklahoma City $149,700.

**Calif., Los Angeles**—APARTMENTS—E. R. Rockwell, 742 South Hill St., 4 story and basement, 90 x 175 ft., brick, concrete and steel, Cherokee St., to M. Smith, 6665 Sunset Blvd., Los Angeles, $200,000.

**Calif., Los Angeles**—BANK and OFFICE—Pacific Natl. Bank, 9th and Hill Sts., 12 story and basement, 95 x 166 ft., rein.-con., and brick, 9th and Hill Sts., to R. E. Millsap, Marsh-Strong Bldg., Los Angeles, $850,000. Noted June 11.

**Calif., Los Angeles**—HOTEL and STORE—Walker & Eisen, archts., Great Republic Bldg., 4 story and basement, 98 x 155 ft., brick and steel, 6th and Normandie Sts., to C. Thoren, 5615 West 4th St., Los Angeles, for K. Elliott, et al. $215,000. Noted May 28.

**Calif., Oakland** — HOSPITAL — Alameda Co., for Highland Hospital, to Duval & Son, Dalziel Bldg., $123,500; electric work, to Newbury-Pierce Co., 481 56th St., $32,452. Noted June 11.

**Calif., Oakland** — THEATRE — Golden Gate Theatre & Realty Co., c/o Reid Bros., archts., 105 Montgomery St., San Francisco, theatre, 1,500 seating capacity, Foothill Blvd., to G. B. Pasqualetti, 233 Larkin St., San Francisco, $150,000. Noted Apr. 9.

**Calif., San Bernardino** — HOTEL, APARTMENT, etc.—R. Durbin, 3 story and basement, 150 x 225 ft., brick hotel, apartment, and store building, to F. Slot, 5416 Ruthelen St., Los Angeles, $365,000.

**Calif., San Diego** — HOTEL — Waldrof Hotel, 1037 4th St., 8 story and basement, 50 x 100 ft., rein.-con. annex, to Lange & Bergstrom, Washington Bldg., Los Angeles, to exceed $150,000.

**Calif., San Francisco**—APARTMENT—J. Helbing, 1332 Lombard St., 5 story and basement, rein.-con., Van Ness Ave., to Helbing Co., 1332 Lombard St., $165,000. Noted Oct. 2, 1924.

**Calif., San Francisco**—HOTEL—H. C. Keenan, 100 Sutter St., will build 6 story and basement, brick, steel and hollow tile, Post St. near Taylor St., by day labor. $175,000. Baumann and Jose, 251 Kearny St., archts. Noted May 28.

**Calif., San Pedro**—CLUB—Jay, Rogers, and Stevenson, archts., 919 California Bldg., Los Angeles, 5 story and basement, 145 x 185 ft., rein.-con., Beacon St., to Wurster Constr. Co., Natl. City Bank Bldg., Los Angeles, for Y. M. C. A., $401,450. Noted May 28.

**Calif., Stockton**—CITY HALL—City, 4 story city hall, to H. S. Williams, 185 Stevenson St., San Francisco, $360,897.

## Buildings—Educational, Religious

### PROPOSED WORK

**N. H., Littleton**—HIGH SCHOOL—Town, A. T. Downing, chn. com., having sketches made by Larson & Wells, Hanover, 2 story and basement, brick, high school. $150,000 or more. Noted Apr. 2.

**N. H., Rochester** — HIGH SCHOOL — School Com. rejected bids 3 story and basement, 68 x 70 ft. and 52 x 90 ft., brick and stone, plain foundation. $165,000. Will readvertise. J. E. Richardson, 56 Grove St., Dover, archt. Noted May 21.

**Mass., Boston** — CHURCH — Boston Missionary & Church, extension of Society of Methodist Episcopal Church, 81 Boylston St., having plans prepared by Woodbury & Stuart, 581 Boylston St., 4th Negro Methodist Episcopal Church 1 story and basement, brick and stone, Warwick St. and Cabot Pl. $150,000 funds being raised for same.

**Mass., Boston**—CHURCH—Boston Missionary & Church, extension of Society of Methodist Episcopal Church, 81 Boylston St., Boston, having plans prepared by Woodbury and Stuart, 581 Boylston St., First Italian Methodist Episcopal Church, 1 story and basement, brick and stone, Hanover and Salutation Sts. $150,000 funds being raised for project.

**Mass., Haverhill**—SCHOOL—City Council having plans prepared by Morse & Chase, 25 Washington St., 2 story and basement, brick addition to J. C. Tilton School, Grove St. $200,000.

**Mass., Natick**—HIGH SCHOOL—School Comn. plans Junior High School, 2 story, brick. To exceed $150,000. Engineer and architect not selected.

**Mass., Roxbury** (Boston P. O.) — CHURCH—Methodist Missionary Society, A. F. Reimer, pastor, 581 Boylston St., raising funds to exceed $150,000 for 4th Negro Church, here. Engineer and architect not selected.

**Mass., South Boston** (Boston P. O.)—CHURCH—Boston Missionary and Church extension of Society Methodist Episcopal Church, 81 Boylston St., Boston, having plans prepared First Lithuanian Methodist Episcopal Church 1 story and basement, brick and stone, 4th and Atlantic Sts., here. $150,000 funds being raised for same. Woodbury & Stuart, 581 Boylston St., Boston, archts. Noted May 7.

**Mass., South Braintree** (Ind. br. of Boston)—HIGH SCHOOL—Town of Braintree, H. D. Higgins, chn., having sketches made by Shepard & Stearns, 65 Franklin St., Boston, 2 story and basement, brick, Washington St. $360,000. Noted May 7.

**Mass., West Roxbury** (Boston P. O.) — SCHOOL — School House Dept., Boston, plans 2 story addition to Henry Vane School, Robert Gould Shaw Dist. $150,000. Engineer and architect not selected. T. P. Glynn, chn.

**Mass., Worcester**—SCHOOL—City, Room 1009, City Hall, having plans prepared by E. P. Fitzgerald, 340 Main St., grade school, Ward St. $150,000.

**R. I., Providence** — COLLEGE — Rhode Island College c/o W. R. Walker & Son, archts., 49 Weybosset St., having plans prepared 3 story, 60 x 200 ft., brick, terra cotta and steel, Gaspee St. $650,000. Noted June 4.

**R. I., Woonsocket**—GYMNASIUM—Mt. Charles College, having plans prepared by W. F. Fountaine, 285 Main St., 2 story, 60 x 200 ft., rein.-con., brick and steel, gymnasium, plain foundation. $150,000.

**Conn., Danbury** — SCHOOL — State Bd. Educ., Hartford, plans new normal school, here. $200,000.

**Conn. Mansfield**—SCHOOL—State Training School & Hospital plans new school. $200,500.

**Conn., Middletown** — LIBRARY and LABORATORY — Wesleyan College, J. L. McConaughy, pres., soon takes bids 3 story, 40 x 165 ft., marble and limestone library, 2 story and basement, 35 x 125 ft., brick laboratory, and brick and limestone college addition. $300,000.

**Conn., New Britain**—SCHOOL—School Com., City Hall, had plans prepared by W. P. Crabtree, 272 Main St., 2 story and basement, brick and stone, Steele St. and Corbin Ave. $285,000.

**Pa., Johnstown**—CHURCH—Bd. Directors Westmont Presbyterian Church, J. W. Walters, chn. building com., having plans prepared by A. G. Lamont, archt. of Bd. National Missions, Presbyterian Church, 156 5th Ave., New York City, 2 story and basement, 90 x 100 ft., Luzerne St. $200,000. Noted Mar. 12.

**Pa., Williamsport**—HIGH SCHOOL—Bd. Educ. having plans prepared by Guilbert & Betelle, 20 Branford Place Newark, N. J., for Thaddeus Stevens High School, 3 story and basement, 200 x 300 ft., steel and concrete school. $400,000.

**Miss., Jackson**—CHURCH—First Baptist Congregation, c/o W. A. Hewett, pastor, rejected bids 1 and 2 story, rein.-con., brick

Buildings—Educational, Religious (Cont.)

and stone, College and North President Sts. $150,000. N. W. Overstreet, Jackson, archt. Noted Apr. 30.

**Ia., Des Moines** — CHURCH — Grace Methodist Episcopal Congregation, c/o L. M. Grigsby, 936 18th St., soon takes bids 1 and 2 story, basement and balcony, rein.-con., brick and stone, Cottage Grove and 37th St. $225,000. Worse, Kraetch & Kraetch, 1201 Commonwealth Bldg., archts. Noted Apr. 2.

**Ia., Marshalltown**—HIGH SCHOOLS—Voted $75,000 bonds, for Junior High School, and $325,000 bonds Senior High School, both rein.-con., brick and stone, for Bd. Educ., H. E. Reimer, secy. Dougher, Rich & Woodburn, 320 Valley Natl. Bank Bldg. Noted May 14.

**Minn., Rochester** — SCHOOL — Voted $225,000 bonds, industrial school, for Bd. Educ., S. L. Seaman, clk.

**Kan., Ft. Scott** — SCHOOL — Defeated $200,000 bonds for school. C. A. Smith, 800 Finance Bldg., Kansas City, archt. Noted Apr. 2.

**Kan., Hays**—SCHOOLS—Election soon $150,000 bonds for schools, for Bd. Educ.

**Mo., Joplin**—SCHOOLS—Election late in June $750,000 bonds for school.

**Mo., St. Joseph** — SCHOOLS — Election June 20, $300,000 bonds, two new schools, also repairing and additions to existing buildings.

**Tex., Wichita Falls**—SCHOOLS—Election June 20, $500,000 bonds for schools. W. B. Chauncey, pres. School Bd.

**Okla., El Reno**—HIGH SCHOOL—Voted $165,000 bonds, 3 story and basement, rein.-con. and brick high school. Layton, Hicks & Forsyth, 905 Baniff Bldg., Oklahoma City, archts.

**Calif., Fresno** — SCHOOLS — Plans election $1,500,000 bonds, new schools and additions to present buildings.

**BIDS DESIRED**

**Conn., Bristol**—SCHOOL—School Comn., City Hall, taking new bids 60 x 100 ft. brick and stone school with sewage disposal plant, Pine St. $150,000. Former bids rejected. H. A. Hayden, 175 Main St., archt. Noted May 14.

**Conn., New Haven** — APARTMENT — June 19, by E. J. and I. Cooney, High St., 6 story, 125 x 125 ft., brick and steel, High St. $300,000. L. J. Julianelle, 42 Church St., archt.

**N. Y., Rosedale** (mail Jamaica) — SCHOOL—July 1, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 38, 241st St., here, for Bd. Educ., 500 Park Ave., New York City.

**N. J., Audubon**—HIGH SCHOOL—June 29, by Bd. Educ., 2 story and basement, 54 x 258 ft., and 92 x 111 ft., brick and steel high school, etc., plain foundation. A. Moses, Temple Bldg., Camden, archt. Noted Jan. 22.

**Pa., Wayne**—SCHOOL—June 22, by Bd. Educ., Radner Twp., Junior and Senior High School, 2 story and basement, 185 x 197 ft., brick and steel, plain foundation. I. T. Catharine, 19th above Chestnut St., Phila., archt. Noted May 14.

**La., Shreveport**—CHURCH—E. F. Neild, archt., 1206 City Bank Bldg., taking bids and opens same about June 20, brick and stone, Jordan St., for St. Johns Roman Catholic Congregation. $300,000.

**Ill., Princeton**—HIGH SCHOOL—June 25, by D. E. Pamp, secy., Twp. High School Bd. Educ., 3 story, 70 x 320 ft., rein.-con., brick and stone high school. $250,000. Royer, Danely & Smith, Urbana, archts. Noted Mar. 5.

**Wis., Superior**—GYMNASIUM—July 1, by Bd. Normal School Regents, W. J. Kettle, secy., State Capitol, Madison, 5 story, 60 x 150 ft., rein.-con., brick and steel, plain foundation, here. $175,000. A. Peabody, State Capitol Bldg., Madison, archt. Noted May 21.

**Mo., St. Louis**—CHURCH—St. Ambrose Catholic Church, will build 1 and 2 story and basement, rein.-con., brick and terra cotta church and parsonage, Cooper and Wilson Ave. $150,000. Work will be done by separate contracts under supervision of Corrubia & Henderson, archts., Arcade Bldg.

**Calif., Hayward**—HIGH SCHOOL—June 27, by Trustees Union High School Dist., 2 story, rein.-con. school. H. C. Smith, Humboldt Bank Bldg., San Francisco, archt. Noted Oct. 6.

**Calif., Los Angeles**—HIGH SCHOOL—Bd. Educ. taking bids Edison Junior High School, brick. $300,000 or more. Walker & Eisen, Pacific Finance Bldg., archts.

**BIDS RECEIVED**

**Mass., Bridgewater** — SCHOOL — Bd. Educ., State House, Boston, Normal and Training School, 2 story and basement, brick, plain foundation, from G. Howard & Sons, 196 Main St., Brockton, $405,000. Noted June 4.

**Pa., Phila.**—LIBRARY—Free Library of Phila., G. H. Biles, dir. Pub. Wks., interior finish and decoration of Liberty at 19th, 20th, Wood and Vine Sts., from F. Mark Constr. Co., Commercial Trust Bldg., $3,912,329.

**Md., Baltimore**—SCHOOLS—Bd. Awards, City Hall, 3 story and basement, 62 x 111 x 205 ft., Glenmore, Christopher and Sylvan Aves., from D. M. Andrew Co., Sisson and 26th Sts., $321,000; Windsor Hill School, 3 story and basement, 62 x 146 x 205 ft., Alto Ave., near Lyndhurst Ave., and 3 story and basement, 62 x 111 x 205 ft., Rogers Ave., from Mason, Curley & Brady, Inc., 308 West Madison St., $360,000 and $369,000 respectively, all rein.-con., brick and steel, plain foundations. Noted May 28.

**O., Cleveland**—SCHOOL—Bd. Educ. Bee Hive School Dist., J. E. Kravel, pres., R. F. D. Warrensville, P. O. Cleveland, 2 story, brick, steel and concrete addition, Lee and Miles Aves., from Graupner & Ule Constr. Co., Lorain, $97,843. Noted May 21.

**CONTRACTS AWARDED**

**Mass., Arlington**—CHURCH—Arlington First Baptist Church, H. S. Potter, pastor, 1 story and basement, brick and stone, Massachusetts Ave. and Willow Pl., to Holt-Fairchild Co., 7 Water St., Boston. Archts. est. $150,000.

**Mass., Bridgewater** — SCHOOL — Dept. Educ., State House, Boston, Normal and Training Schools, 2 story and basement, brick, plain foundation, to G. Howard & Sons Co., 198 Main St., Brockton. $425,000. Noted June 4.

**Mass., Leominster** — SCHOOL — St. Cecelias French Catholic Church, J. E. Chicoine, pastor, Mechanic St., 3 story and basement, brick, to J. J. Roberts, 4 Wall St., Worcester. Archts. est. $150,000. Noted May 21.

**Mass., Lowell**—CHURCH—Greek Orthodox Society, 1 story and basement, 90 x 95 ft., brick and stone, plain foundation, Clark St. and Hancock Ave., to N. Cuzanas, 53 Central St. Archts. est. $150,000.

**Mass., Quincy** (br. of Boston)—CHURCH—Wollaston Congregational Church, C. M. Godfrey, chn. building com., 407 Highland Ave., Wollaston, 1 story, 60 x 100 ft., brick and granite, plain foundation, to W. Coulson Co., 1 Hayward St., Cambridge. Archts. est. $150,000. Noted May 14.

**Mass., Roxbury** (Boston P. O.) — SCHOOL—School House Dept., Boston, 3 story and basement, 50 x 120 ft., brick and stone, Parker St., Sherwin Dist., here, to J. Bowen Co., 184 Dudley St., Roxbury.

**Mass., South Attleboro**—SCHOOL—City, A. R. Briggs, chn. city com., 2 story and basement, 85 x 150 ft., brick and stone, Washington St., to A. F. Smiley Constr. Co., 308 Main St., Pawtucket, R. I. Archts. est. $200,000. Noted June 4.

**Conn., Bridgeport**—LIBRARY—Bridgeport Public Library, Liberty Bldg., 3 and 4 story, 76 x 230 ft., brick and stone, Broad St., to J. H. Taylor, New Milford. Archts. est. to exceed $150,000. Noted May 7.

**Pa., Carrick**—CHURCH—Bethel Baptist Congregation, general contract 1 and 2 story and basement, Brownsville Rd. and Murray Ave., to H. L. Ley Co., Westinghouse Bldg., Pittsburgh. Archts. est. $150,000.

**Pa., Fountain Springs** (mail Ashland)—ACADEMY—P. A. Monaghan, 1713 Sansom St., Phila., 3 story and basement, 40 x 245 ft., rein.-con. and brick, here, to G. Nagel, Pottsville, for Sisters of Immaculate Heart of Mary, Immaculata. $750,000. Noted May 7.

**Pa., Phila.**—SCHOOLS—Bd. Educ., 19th and Chestnut Sts., 3 story and basement, 109 x 165 ft., 7th and Dickinson Sts., to McCloskey Co., 1620 Thompson St., Phila., $407,398, heating system, to J. Borden & Bro., 637 North 19th St., $43,348; 3 story and basement, 109 x 312 ft., Juniper and Clearfield Sts., to W. Langhorne Co., 10 South 18th St., $383,000, heating system, to W. P. McKenzie, 1234 Callowhill St., $41,482.

**Md., Hagerstown** — SCHOOL — A. J. Klinkhart, archt., Hagerstown, 3 story and basement, brick and steel, plain foundation, to G. B. McWolf, 6 Court Pl., $200,000. Noted May 14.

**O., Akron**—HIGH SCHOOL—Bd. Educ., general contract high school in Firestone Park, to Clemmer-Johnson Co., 406 Metropolitan Bldg., Akron, $243,155. Noted Apr. 16.

**Ill., Blue Island**—SCHOOL—Bd. Educ., 3 story and basement, 135 x 150 ft., rein.-con., brick and stone high school, to M. Stephen Co., 805 Vincennes St. Archts. est. $150,000.

**Ill., Winnetka**—CHURCH—Sacred Heart Roman Catholic Parish, 3 story, 76 x 204 ft., concrete, brick and stone, Burr and Tower Sts., to A. Kloepfer, Winnetka. Archts. est. $150,000.

**Tex., Hereford**—SCHOOL—Bd. Educ., A. Ireland, pres., 3 story, 150 x 152 ft., brick and stone school, to G. Parr, 1611 Harrison St., Amarillo. Archts. est. $150,000. Noted Mar. 19.

**Calif., Berkeley** — UNIVERSITY — University of Southern California, 3 story and basement, 115 x 120 ft. law building, University Ave., to Edwards, Wildey & Dixon, Black Bldg., Los Angeles, $155,000. Noted June 11.

## Federal Government Work

**PROPOSED WORK**

**Calif., San Diego**—Barge—Spec. 5168—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans pile driver barge and sand pump equipment, here.

**BIDS DESIRED**

**N. Y., New York**—Post Office—July 1, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office, here.

**N. Y., Walden**—Post Office—July 13, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, brick post office, here; adv. E. N.-R. June 18.

**Pa., Phila.**—Dredging—July 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging here.

**Ala., Florence**—Swinging Machinery—July 8, by U. S. Engineer Office, swinging machinery for navigation lock gates, Wilson Dam, Tennessee River; adv. E. N.-R. June 18.

**Miss., Vicksburg** — Levee Work — June 29, by Third Mississippi River Dist., P. O. Box 404, 360,000 cu.yd. levee work; adv. E. N.-R. June 18.

**Mich., Mt. Clemens**—Incinerator—June 22, at Quartermaster's Office, 3 ton garbage incinerator at Selfridge Field, here.

**Ill., Great Lakes**—Stokers—Spec. 5031—June 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., mechanical stokers at training station, here.

**Wis., Manitowoc**—Post Office—June 30, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here.

**H. T., Pearl Harbor** — Hospital — Spec. 5097—July 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., hospital, here.

**BIDS RECEIVED**

**Me., Ellsworth**—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., post office, custom house, retaining wall, etc., here, from Green & Wilson, Waterville, $10,790. Noted May 14.

**Pa., Aspinwall**—Water Pipe Line—U. S. Veterans Bureau, Wash., D. C., water pipe line here from A. Lucenti, 7118 Hermitage St., Pittsburgh, (1) $10,192 (2) deduct $496 (3) earth excav. $2, rock $5, filling $1.50.

**Pa., Pittsburgh** — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office here from Unkefer Bros. Constr. Co., Cleveland, O. $5,126. Noted May 21.

**Calif., San Diego**—Buildings, etc.—Spec. 5015—Bureau Yards & Docks, Navy Dept., Wash., D. C., 2 ordinance buildings, from J. Pringle, 212 Anita Rd., Burlingame, (1) $115,945 (2) $73,312 (4) $5,300 (5) $5,300. Noted May 14.

**CONTRACTS AWARDED**

**N. Y., New York**—Repairs—Treas. Dept. at office Supervising Archt., repairs to buildings at Quarantine station, Hoffman Island, to O. White, 294 Bergen St., Brooklyn, $4,371.

**Fla., Pensacola**—Waterworks—Spec. 5054—Bureau Yards & Docks, Navy Dept., Wash., D. C., pump and piping, to J. B. McCrary Co., 1408 Citizens Bank Bldg., Atlanta, Ga., Items 2, 6 and 10, $76,636 (270 days); reservoir, to Simons-Mayrant Co., 506 Peoples Bank Bldg., Charleston, S. C., item 3 $26,104 (210 days); 2 wells, to Gray Artesian Well Co., 314 South Alconiz St., item 4 $13,084 (1st well 75 days, 2nd one 105 days). Noted June 4.

**Tenn., Memphis**—Earthwork—U. S. Engineer Office, War Dept., Wash., D. C., 175,000 cu.yd. earthwork in Upper St. Francis Levee Dist. to Elkas, Weathers & Burt, Greenville, Miss., $46,988. Noted May 28.

**Calif., Mare Island**—Paving—Spec. 5092 Bureau Yards & Docks, Navy Dept., Wash., D. C., asphalt paving here to Associated Constr. Co., 112 Market St., San Francisco, (1) and (5) $8,500 (105 days). Noted June 11.

**Wyoming**—Road—J. W. Johnson, dist. engr., Custom House, Denver, Colo., grading 1.71 mi. Dayton-Steamboat Rock Project, Sheridan Co., to Pioneer Constr. Co., Bozeman, Mont., $39,181. Noted May 21.

## Unclassified

### PROPOSED WORK

**Playground—Boston, Mass.**—Park Dept., 33 Beacon St., plans reconstructing Riverbank Park as public playground, West End Dist. $25,000. J. B. Shea, chn.

**Sand Hopper—Cambridge** (Boston P. O.), **Mass.**—Boston Sand & Gravel Co., 88 Broad St., Boston, plans 40 x 160 ft. sand hopper, timber, pile and concrete foundation, Bway. $40,000. Private plans.

**Ferry Terminal—College Point** (Ind. Sta. Flushing), **N. Y.**—Dept. Plans & Structures, Municipal Bldg., New York City, plans ferry terminal, here.

**Ferry Terminal — New York, N. Y.** — Dept. Plants & Structures, Municipal Bldg., plans ferry terminal, at Clason Point, Bronx Boro.

**Generating Unit, etc.—Cedar Keys, Fla.**—Cedar Keys Light & Power Co., are increasing capital stock $50,000, and plans 100 kw. light unit and 40 ton ice plant addition.

**Bulkhead, etc.—Leesburg, Fla.**—Election June 29, for bulkhead and filling city land and Lake Haines. $140,000. W. E. Harkness, city clk.

**Recreation Pier—St. Petersburg, Fla.**—Voted $1,000,000 bonds recreation pier.

**Parks—St. Petersburg, Fla.**—Voted $195,000 bonds, beautifying parks and parkways, also $55,000 bonds constructing and beautifying proposed park 13th Ave. north to Coffee Port Bayou. S. S. Martin, dir. Finance.

**Seawalls, etc. — St. Petersburg, Fla.** — Voted $118,700 bonds waterfront improvements from Coffee Pot Bayou to 13th Ave. N., incl. seawalls, filling and sewer extensions; and $375,300 bonds for water front improvements from 13th Ave. N. to 7th Ave. S., incl. seawalls, dredging, sewer extensions and yacht basin between 2nd and 5th Aves. N. S. S. Martin, dir. Finance.

**Wharves, Docks, etc.—Lake Charles, La.**—Election July 7, $500,000 bonds, constructing wharves, docks, warehouses, etc. Address Mayor.

**Golf Course — Chattanooga, Tenn.** — Bd. City Comrs., plan to expend $50,000 developing 115 acres for municipal golf course.

**Park Improvements—Nashville, Tenn.**—Tennessee Memorial Comn., plans to expend $100,000 for park around memorial and capitol annex, incl. new walks, stone work, grading, landscape, etc. A. Peay, governor.

**Grade Separation — Detroit, Mich.** — Wayne Co. Rd. Comn., 1103 Real Estate Exch. Bldg., made plans grade separation at intersection of Wayne Rd. and Michigan Central Ry., about 20,000 cu.yd. excav., and about 1,000 cu.yd. concrete. H. A. Shuptrine, city engr

**Street Lighting System—Bloomfield, Neb.**—Voted $50,000 bonds complete electric light system.

**Street Lighting System—St. Louis, Mo.**—Election soon $1,850,000 bonds for street lighting system in business and residential districts.

**Park Improvements—Ft. Smith, Ark.**—Plans election $100,000 bonds for park improvements. M. J. Miller, comr.

**Gas Pipe Line—Clinton, Okla.**—Election soon $50,000 bonds for gas line and system to secure natural gas from field in Sayre. F. P. Cook, Claremore, engr.

**Bath House, Pool, etc. — Wynne Wood, Okla.**—See "Waterworks."

**Tunnels — Los Angeles, Calif.** — Voted $250,000 bonds, underground tunnels and pedestrian subways, under existing streets.

**Parks, Golf Course, etc.—San Francisco, Calif.**—See "Streets and Roads."

### BIDS DESIRED

**Pier Repairs—Boston, Mass.**—June 25, by Dept. Pub. Wks. (Ferry Service), repairing piers at South Ferry. $25,000 bonds. J. A. Rourke, comr.

**Coal Trestle—Central Islip, N. Y.**—June 24, by State Hospital Comn., Albany, coal trestle at hospital, here. L. M. Farrington, secy.; adv. E. N.-R. June 18.

**Bulkhead—New York, N. Y.**—June 26, by Bd. Transportation, 49 Lafayette St., bulkhead at 148th St. and Lenox Ave. yard.

**Special Work—New York, N. Y.**—June 26, by Bd. Transportation, 49 Lafayette St., special work (Order 28) for construction of part of Queensboro extension to 8th Ave.

**Subway—Jersey City, N. J.**—July 6, by State Hy. Comn., Trenton, 1,600 ft. subway, incl. excav., bridges, retaining walls, rein.-con., steel and masonry work, concrete and granite block paving, etc., Route 1 extension between New Jersey Junction Ry. and Oakland Ave., here.

**Stadium—Chicago, Ill.**—July 1, by South Park Comrs., 57th St. and Cottage Grove Ave., alterations and additions to Grant Park Stadium, on Lake Front, Roosevelt Rd. and 16th St., etc. Holabird & Roche, 104 South Michigan Ave., archts.

**Wharf—St. Petronille, Que.**—June 25, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., improving wharf, here. $37,000.

### BIDS RECEIVED

**Heating — Bridgewater, Mass. — Dept.** Educ., State House, Boston, heating in (a) Training and (b) Normal schools, from Hobart & Farrell, Brockton, (a) $12,976 (b) $27,160, combined bid $40,000. Noted June 4.

**Station Finish—New York, N. Y.**—Bd. Transportation, 49 Lafayette St., station finish for Main St. Station, Route 52, Sect. 3, Flushing Sect., here, from M. Del Balso, 600 East 221st St, $244,000. Noted May 28.

**Subway—New York, N. Y.**—Bd. Transportation, 49 Lafayette St., June 12, constructing Route 78 Sect. 2, under Central Park West from West 89th to West 100th Sts., from T. A. Gillespie Co., 7 Dey St., $3,997,000. Noted June 11.

**Core Borings — New Jersey** — State Hy. Dept., Trenton, June 8, 2,250 lin.ft. casings to be sunk to rock through water, 250 lin.ft. diamond drill core borings in rock, 5,850 ft. casings sunk on land, etc. on Route 1, between Hudson Blvd., Jersey City and Doremus Ave., Newark, Essex and Hudson Counties, from P. J. Healey, 207 Baldwin Ave., Jersey City, $17,435. Noted May 28.

### CONTRACTS AWARDED

**Sea Wall—Oak Bluffs, Mass.**—Dept. Pub. Wks. Div. Waterways & Public Lands, State House, Boston, 1,785 ft. concrete sea wall and timber jetties, to F. T. Wescott, North Attleboro, $45,955.

**Pier — Brooklyn, N. Y.** — M. Cosgrove, comr. Dept. Docks, Pier A, Battery Pl., New York City, constructing concrete pile platform, wooden sheet pile bunking, dredging and filling for Canarsie Pier, Jamaica Bay, here, to A. M. Hazell, Inc., 26 Cortlandt St., New York City, $487,269. Noted June 11.

**Underground Cable—Brooklyn, N. Y.**—R. E. Enright, police comr., Bookkeepers Office, 240 Centre St., installing underground cable, to J. Sugden Co., 100 5th Ave., New York City, $26,055. Noted June 11.

**Cable — New York, N. Y.** — E. E. Mills, comr. Plants & Structures, Municipal Bldg., lead covered cable along Varick St., to J. Sugden Co., 100 5th Ave., $14,748. Noted June 11.

**Special Work — New York, N. Y.** — Bd. Transportation, 49 Lafayette St., special work (Order 27) for Westchester Ave. Yard, to Ramapo Ajax Corp., 50 Church St., $30,986. Noted June 11.

**Radio Station—Rocky Point, N. Y.**—Radio Corp. of America, 64 Broad St., New York City, extending radio station, here, incl. alterations and additions to power house, etc., to J. G. White Eng. Corp., 43 Exch. Pl., New York City.

**Swimming Pool—Phila., Pa.**—Pub. Wks., Bureau Recreation, City Hall, 105 x 120 ft., rein.-con. pool, lockers and shelter house, 16th and Ruffner Sts., to McCormick-Lenham, 2403 South Broad St., Phila., $35,985. Noted June 11.

**Gas Storage—Tampa, Fla.**—Tampa Gas Co., 201 Madison St., new gas holder, 3,000,000 cu.ft. capacity, and new mains, to Bartlett-Haywood Co., 200 Scott St., Baltimore, Md., $500,000. Noted Feb. 12.

**Cable — Detroit, Mich.** — Pub. Lighting Comn., East Atwater St., approximately 368,000 ft. 24,000 volt cable for transmission line for new power plant, to Habirshaw Electric Cable Co., 10 East 43rd St., New York City, N. Y., $779,510.

**Posts and Cable—Brainard, Minn.**—For 127 Class "A" and 75 Class "B" single light posts, to J. Andrea & Sons Co., 362 Bway., Milwaukee, Wis., $13,900; 62,600 lin.ft. cable, to Western Electric Co., 413 South 4th St., Minneapolis, $82.68 per M ft.

**Street Lighting System—Brainard, Minn.**—W. D. McKay, secy. Water & Light Bd., rejected bids May 5, 127 Class "A" and 75 Class "B" single light posts, 62,600 lin.ft. cable, etc. Work will be done by day labor. Noted Apr. 30.

**Heating System—Owatonna, Minn.**—Distribution lines in Dist. 1 of municipal public utility underground heating system, to Donovan Constr. Co., 1101 Builders Exch. Bldg., St. Paul, $35,897. Noted Oct. 9.

**Bracket Lights—St. Paul, Minn.**—H. W. Austin, city purch. agt., 224-400 candlepower bracket lights on standard trolley poles on West 7th St. between Seven Corners and Tuscarora Ave., to Acme Electric Co., 1085 West 7th St., $53,334. Noted June 4.

**Coaling Station — Hutchinson, Kan.** — Atchison, Topeka & Santa Fe R.R. Co., Railway Exch. Bldg., Chicago, 300 ton rein.-con. and steel coaling station, here, to Roberts & Schaefer Co., Wrigley Bldg., Chicago, Ill.

**Transmission Line and Distribution System—Oklahoma**—City of Carter, 18 mi. electric transmission line from Carter to Elk City and distribution system in Carter, to Inland Utilities Co., Elk City, $21,795. Engrs. est. $25,000. Noted May 28.

**Gas Distribution System—Mangum, Okla.**—City, gas main supply system from here to Sayre Field, to D. R. Williams, Mangum, $240,000.

**Overhead Crossing—Oregon**—See "Streets and Roads."

**Wharf—Goderich, Ont.**—Dept. Pub. Wks., Ottawa, wharf improvements, mooring crib, and breakwater, to Jackson Constr. Co., Sorel, Que., $40,000. Noted Apr. 30.

**Dock—Cowichan, B. C.**—Canadian Natl. Rys., Ottawa, Ont., 6,000 ft. pile and timber dock, 30 ft., to Pacific Engineers Ltd., 744 Hastings St. W., Vancouver, $90,000.

**Underground Conduit—Point Grey, B. C.**—University of British Columbia, underground distribution system of electrical conduit, etc., for buildings, to Hume & Rumble, 647 Columbia Ave., New Westminster, $54,550.

**Grain Elevator—Prince Rupert, B. C.**—F. O'Hara, deputy minister, Trade & Commerce, Ottawa, rein.-con. superstructure of elevator, 65 x 250 ft. storage bins, 500,000 bu. capacity, 65 x 120 ft. workhouse, 120 x 150 ft. truck shed and receiving pits, 80 x 220 ft. warehouse, etc., to Carter-Halls-Aldinger Co., Bekins Bldg., Vancouver, $876,726. Noted May 7.

## Materials

### PROPOSED WORK

**Paving Materials—St. Paul, Minn.**—H. W. Austin, city purch. agt., rejected bids May 19, 1,800 bbls. Portland cement, etc., for paving West 7th St.; also 725 sq.yd. 3 in. vertical fibre brick, 2,520 bbls. Portland cement, etc., for paving Edgecombe Ave. Work to be done on contract. See item under "Streets and Roads" contracts awarded. Noted May 14.

### BIDS DESIRED

**Paving Blocks—Long Island City, N. Y.**—June 23, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 15,000 granite paving blocks.

**Inorganic Dust, etc.—New York, N. Y.**—June 25, by J. Miller pres. Manhattan Boro, Municipal Bldg., 3,000 tons inorganic dust, 3,000 cu.yd. concrete and paving sand, 8,000 cu.yd. ¾ in. binder stone, 600,000 gal. asphaltic cement, and 20,000 cu.yd. asphalt sand.

**Road Oil, etc.—Galesburg, Ill.**—Galesburg Twp. in market for 80,000 to 100,000 gal. road oil, etc. $5,000. O. Swedlund, Galesburg, engr.

**Structural Steel — Friendship, Wis.** — Friendship Power Co., G. Poliska, mgr., taking bids structural steel, tainter gates, steel sash, etc. for power plant and dam. Private plans.

**Lumber—Merced, Calif.**—June 30, by H. P. Sargent, secy. Merced Irrigation Dist., Barcroft Bldg., 403,000 ft. creosoted lumber.

### BIDS RECEIVED

**Granite Paving Blocks—Boston, Mass.**—Supply Dept. 1,000,000 new granite paving blocks, from Pease & Co., Nashua, N. H., $121.50 per M.

### CONTRACTS AWARDED

**Asphaltic Oil, etc.—Dover, N. J.**—Town Council, asphaltic oil to C. M. Munson, Dover, $0.197 per gal., to Dosch-King Co., Montclair, 45% oil $0.105 per gal., slag, slag chips and slag sand, to C. Heigold, Dover, $1.70, $1.95 and $1.50 per ton respectively.

**Road Materials—New Brunswick, N. J.**—Middlesex Co., 35,000 gal. cold patch tar, to C. Sebolt, 10 Richmond St., New Brunswick. $0.17 per gal.; 10,000 gal. cold tar or asphaltic oil, to Asphaltic Service Co., New Brunswick, $0.1575; 48, 36, 24, 18 and 15 in. corrugated metal pipe, to Galion Iron Wks., Galion, O., $1,296; rein.-con. pipe, to Newark Concrete Pipe Co., 462 Broad St., Newark, $2,786.

**Asphalt Road Oil—Brantford, Ont.**—For 150,000 gal. asphaltic road oil, to J. I. Miller, Brantford, $0.1115 per gal., total $16,725.

**Asphalt, etc.—Niagara Falls, Ont.**—Furnishing liquid asphalt, to Imperial Oil Co. Ltd., Imperial Oil Bldg., Toronto, $0.12 per gal.; asphalt sand, to Harvey Wilcox, Niagara Falls, $1.75 per cu.yd.; limestone dust, to J. E. Russell Co. Ltd., Harbor Bldg., Toronto; 3,000 tons crushed stone, etc., to D. Bawtenheimer, Niagara Falls, $1.95 per ton.

**Asphalt Oil, etc.—Ottawa, Ont.**—Annual supply of asphalt oil, to Imperial Oil Ltd., Catherine St., $0.125; tar oil, to Barrett Co. Ltd., and Hamilton Tar & Ammonia Co., Ottawa, $0.145.